

GARDNER**Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	17.05	22	129	Male	8.63	5	58
Female	6.70	13	194 #+	Female	6.70	3	NC*
Total	23.75	35	147 #+	Total	15.33	8	52
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.73	10	175	Male	3.06	1	NC*
Female	5.23	6	115	Female	2.93	4	NC*
Total	10.96	16	146	Total	5.99	5	83
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.90	0	NC*	Male	12.63	18	143
Female	97.17	78	80	Female	11.51	11	96
Total	98.06	78	80 #-	Total	24.13	29	120
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	11.05	9	81
Female	5.84	7	120	Female	5.05	5	99
				Total	16.10	14	87
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	45.19	51	113				
Female	45.47	50	110	Female	11.57	11	95
Total	90.66	101	111				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.63	7	124	Male	6.17	6	97
Female	2.25	0	NC*	Female	7.04	4	NC*
Total	7.88	7	89	Total	13.21	10	76
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.75	3	NC*	Male	101.00	82	81
Female	1.95	1	NC*				
Total	4.70	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	9.66	7	72	Male	7.49	10	134
Female	5.92	5	84	Female	5.02	7	140
Total	15.58	12	77	Total	12.50	17	136
<u>Larynx</u>				<u>Testis</u>			
Male	6.01	7	117	Male	4.15	1	NC*
Female	1.61	2	NC*				
Total	7.62	9	118				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	6.74	1	NC*	Male	1.66	2	NC*
Female	5.19	3	NC*	Female	4.04	2	NC*
Total	11.93	4	NC*	Total	5.70	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.74	4	NC*				
Female	1.32	5	379 #+	Female	18.13	28	154 #+
Total	4.06	9	222 #+				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	54.51	51	94	Male	336.55	310	92
Female	38.30	22	57 ~-	Female	312.89	281	90
Total	92.81	73	79 #-	Total	649.44	591	91 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GAY HEAD

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.18	0	NC*	Male	0.08	0	NC*
Female	0.06	0	NC*	Female	0.06	2	NC*
Total	0.23	0	NC*	Total	0.15	2	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.05	0	NC*	Male	0.03	0	NC*
Female	0.05	0	NC*	Female	0.03	0	NC*
Total	0.10	0	NC*	Total	0.06	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.01	0	NC*	Male	0.12	0	NC*
Female	0.92	1	NC*	Female	0.10	0	NC*
Total	0.93	1	NC*	Total	0.22	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			

				Male	0.11	0	NC*
Female	0.06	0	NC*	Female	0.05	0	NC*
				Total	0.16	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	0.47	2	NC*				
Female	0.39	1	NC*	Female	0.11	0	NC*
Total	0.86	3	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.06	0	NC*	Male	0.06	1	NC*
Female	0.02	0	NC*	Female	0.06	0	NC*
Total	0.08	0	NC*	Total	0.13	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.02	0	NC*	Male	1.11	2	NC*
Female	0.02	1	NC*				
Total	0.04	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.10	0	NC*	Male	0.08	0	NC*
Female	0.05	0	NC*	Female	0.04	0	NC*
Total	0.15	0	NC*	Total	0.12	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.06	1	NC*	Male	0.03	0	NC*
Female	0.02	0	NC*				
Total	0.08	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.06	0	NC*	Male	0.01	0	NC*
Female	0.05	2	NC*	Female	0.04	0	NC*
Total	0.11	2	NC*	Total	0.05	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.03	0	NC*				
Female	0.01	0	NC*	Female	0.17	0	NC*
Total	0.04	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	0.58	0	NC*	Male	3.49	6	172
Female	0.36	0	NC*	Female	2.89	8	277 #+
Total	0.94	0	NC*	Total	6.38	14	220 #+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

GEORGETOWN

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.13	9	218	Male	2.41	2	NC*
Female	1.45	2	NC*	Female	1.92	3	NC*
Total	5.58	11	197	Total	4.32	5	116
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.68	2	NC*	Male	0.76	1	NC*
Female	1.44	3	NC*	Female	0.65	1	NC*
Total	3.12	5	160	Total	1.42	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.23	0	NC*	Male	3.40	6	177
Female	25.73	19	74	Female	2.72	6	221
Total	25.96	19	73	Total	6.12	12	196 #+
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	3.25	0	NC*
Female	1.83	1	NC*	Female	1.28	0	NC*
				Total	4.53	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.98	8	73				
Female	9.53	11	115	Female	3.20	3	NC*
Total	20.51	19	93				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.54	0	NC*	Male	1.59	1	NC*
Female	0.47	0	NC*	Female	1.51	1	NC*
Total	2.02	0	NC*	Total	3.11	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.81	0	NC*	Male	24.03	18	75
Female	0.64	1	NC*				
Total	1.45	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.68	2	NC*	Male	1.84	3	NC*
Female	1.46	0	NC*	Female	1.05	3	NC*
Total	4.14	2	NC*	Total	2.89	6	208
<u>Larynx</u>				<u>Testis</u>			

Male	1.71	1	NC*	Male	1.20	0	NC*
Female	0.43	1	NC*				
Total	2.15	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.84	2	NC*	Male	0.49	0	NC*
Female	1.31	0	NC*	Female	1.31	3	NC*
Total	3.15	2	NC*	Total	1.80	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.74	2	NC*				
Female	0.30	0	NC*	Female	4.76	7	147
Total	1.03	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	14.30	17	119	Male	85.86	79	92
Female	9.32	9	97	Female	77.86	80	103
Total	23.62	26	110	Total	163.73	159	97

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GILL

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.34	0	NC*	Male	0.70	2	NC*
Female	0.33	0	NC*	Female	0.47	2	NC*
Total	1.67	0	NC*	Total	1.17	4	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.46	0	NC*	Male	0.24	0	NC*
Female	0.35	0	NC*	Female	0.15	0	NC*
Total	0.82	0	NC*	Total	0.40	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.07	0	NC*	Male	1.00	0	NC*
Female	6.34	4	NC*	Female	0.63	0	NC*
Total	6.41	4	NC*	Total	1.63	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.94	0	NC*
Female	0.45	4	NC*	Female	0.31	1	NC*
				Total	1.25	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.55	3	NC*				
Female	2.09	5	239	Female	0.79	2	NC*
Total	5.64	8	142				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.47	0	NC*	Male	0.49	0	NC*
Female	0.11	0	NC*	Female	0.34	0	NC*
Total	0.58	0	NC*	Total	0.84	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.20	0	NC*	Male	7.79	4	NC*
Female	0.15	0	NC*				
Total	0.36	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.80	1	NC*	Male	0.59	1	NC*
Female	0.36	0	NC*	Female	0.22	0	NC*
Total	1.15	1	NC*	Total	0.82	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.51	0	NC*	Male	0.29	0	NC*
Female	0.11	0	NC*				
Total	0.62	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.54	0	NC*	Male	0.13	0	NC*
Female	0.30	0	NC*	Female	0.32	0	NC*
Total	0.84	0	NC*	Total	0.45	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.22	0	NC*				
Female	0.07	0	NC*	Female	1.20	0	NC*
Total	0.29	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.42	2	NC*	Male	26.64	14	53 #-
Female	2.33	0	NC*	Female	18.70	19	102
Total	6.75	2	NC*	Total	45.35	33	73

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer
Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GLOUCESTER

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	24.73	24	97	Male	12.36	13	105
Female	9.19	6	65	Female	10.13	12	118
Total	33.92	30	88	Total	22.49	25	111
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	8.04	6	75	Male	4.45	7	157
Female	7.77	7	90	Female	4.11	5	122
Total	15.82	13	82	Total	8.56	12	140
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.30	0	NC*	Male	17.80	14	79
Female	145.54	134	92	Female	16.26	20	123
Total	146.85	134	91	Total	34.07	34	100
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	16.32	19	116
Female	9.08	13	143	Female	7.41	8	108
				Total	23.73	27	114
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	65.52	66	101				
Female	61.46	65	106	Female	17.52	18	103
Total	126.99	131	103				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	8.33	9	108	Male	8.98	6	67
Female	3.06	3	NC*	Female	9.71	10	103
Total	11.39	12	105	Total	18.69	16	86
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	3.54	4	NC*	Male	145.98	114	78 ~-
Female	2.94	6	204				
Total	6.48	10	154				

<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	14.12	16	113	Male	10.85	5	46
Female	8.64	9	104	Female	6.71	8	119
Total	22.76	25	110	Total	17.55	13	74
<u>Larynx</u>				<u>Testis</u>			
Male	8.93	9	101	Male	5.04	6	119
Female	2.49	2	NC*				
Total	11.42	11	96				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	9.55	16	168	Male	2.24	1	NC*
Female	7.30	6	82	Female	6.27	8	128
Total	16.85	22	131	Total	8.51	9	106
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.99	7	175				
Female	1.84	2	NC*	Female	27.45	31	113
Total	5.83	9	154				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	79.84	88	110	Male	485.78	463	95
Female	56.67	66	116	Female	454.90	481	106
Total	136.51	154	113	Total	940.67	944	100

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GOSHEN

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.65	0	NC*	Male	0.34	0	NC*
Female	0.19	0	NC*	Female	0.25	0	NC*
Total	0.84	0	NC*	Total	0.59	0	NC*

Brain and Central Nervous System

Male	0.22	1
Female	0.19	1
Total	0.41	2

Breast

Male	0.03	0
Female	3.34	3
Total	3.38	3

Cervix Uteri

Female	0.24	0
--------	------	---

Colon / Rectum

Male	1.73	0
Female	1.24	0
Total	2.96	0

Esophagus

Male	0.23	1
Female	0.06	0
Total	0.29	1

Hodgkin's Disease

Male	0.10	0
Female	0.08	0
Total	0.18	0

Kidney and Renal Pelvis

Male	0.39	0
Female	0.19	0
Total	0.58	0

Larynx

Male	0.25	0
Female	0.06	0
Total	0.30	0

Leukemia

Male	0.26	0
Female	0.17	0
Total	0.43	0

Liver and Intrahepatic Bile Ducts

Male	0.11	0
Female	0.04	0
Total	0.15	0

Lung and Bronchus

Male	2.15	3
Female	1.23	1
Total	3.38	4

Multiple Myeloma

NC*	Male	0.12	0	NC*
NC*	Female	0.09	0	NC*
NC*	Total	0.20	0	NC*

Non-Hodgkin's Lymphoma

NC*	Male	0.49	1	NC*
NC*	Female	0.36	0	NC*
NC*	Total	0.84	1	NC*

Oral Cavity and Pharynx

	Male	0.46	2	NC*
NC*	Female	0.17	0	NC*
	Total	0.62	2	NC*

Ovary

NC*				
NC*	Female	0.42	0	NC*
NC*				

Pancreas

NC*	Male	0.24	0	NC*
NC*	Female	0.20	0	NC*
NC*	Total	0.44	0	NC*

Prostate

NC*	Male	3.84	1	NC*
NC*				
NC*				

Stomach

NC*	Male	0.29	0	NC*
NC*	Female	0.14	0	NC*
NC*	Total	0.42	0	NC*

Testis

NC*	Male	0.15	0	NC*
NC*				
NC*				

Thyroid

NC*	Male	0.06	0	NC*
NC*	Female	0.17	1	NC*
NC*	Total	0.24	1	NC*

Uteri, Corpus and Uterus, NOS

NC*				
NC*	Female	0.62	2	NC*
NC*				

All Sites / Types

NC*	Male	13.00	9	69
NC*	Female	10.15	8	79
NC*	Total	23.15	17	73

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GOSNOLD

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.13	0	NC*	Male	0.06	1	NC*
Female	0.03	0	NC*	Female	0.03	0	NC*
Total	0.16	0	NC*	Total	0.09	1	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.04	0	NC*	Male	0.02	0	NC*
Female	0.02	0	NC*	Female	0.01	0	NC*
Total	0.06	0	NC*	Total	0.04	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.01	0	NC*	Male	0.09	0	NC*
Female	0.47	0	NC*	Female	0.05	0	NC*
Total	0.47	0	NC*	Total	0.14	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.08	0	NC*
Female	0.03	0	NC*	Female	0.02	1	NC*
				Total	0.11	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	0.35	0	NC*				
Female	0.20	1	NC*	Female	0.06	0	NC*
Total	0.55	1	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.04	0	NC*	Male	0.05	0	NC*
Female	0.01	0	NC*	Female	0.03	0	NC*
Total	0.05	0	NC*	Total	0.08	0	NC*

<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	0.02	0	NC*	Male	0.81	1	NC*
Female	0.01	0	NC*				
Total	0.02	0	NC*				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	0.07	0	NC*	Male	0.06	0	NC*
Female	0.03	0	NC*	Female	0.02	0	NC*
Total	0.10	0	NC*	Total	0.08	0	NC*
<u>Larynx</u>			<u>Testis</u>				
Male	0.05	0	NC*	Male	0.02	0	NC*
Female	0.01	0	NC*				
Total	0.05	0	NC*				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	0.05	0	NC*	Male	0.01	0	NC*
Female	0.02	0	NC*	Female	0.02	0	NC*
Total	0.07	0	NC*	Total	0.03	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	0.02	0	NC*				
Female	0.01	0	NC*	Female	0.09	0	NC*
Total	0.03	0	NC*				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				
Male	0.42	0	NC*	Male	2.58	2	NC*
Female	0.18	0	NC*	Female	1.46	2	NC*
Total	0.61	0	NC*	Total	4.04	4	NC*

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GRAFTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
------------	------------	------------	------------	------------	------------

Bladder, Urinary

Male	9.34	5
Female	3.33	2
Total	12.67	7

Brain and Central Nervous System

Male	3.47	0
Female	3.13	3
Total	6.60	3

Breast

Male	0.50	0
Female	56.24	58
Total	56.74	58

Cervix Uteri

Female	3.89	5
--------	------	---

Colon / Rectum

Male	24.84	15
Female	22.02	16
Total	46.86	31

Esophagus

Male	3.25	3
Female	1.10	1
Total	4.35	4

Hodgkin's Disease

Male	1.71	2
Female	1.35	1
Total	3.06	3

Kidney and Renal Pelvis

Male	5.65	8
Female	3.27	1
Total	8.93	9

Larynx

Male	3.55	2
Female	0.95	3
Total	4.50	5

Leukemia

Male	3.93	3
Female	2.87	2
Total	6.79	5

Liver and Intrahepatic Bile Ducts

Male	1.58	1
Female	0.69	0
Total	2.27	1

Melanoma of Skin

54	Male	5.08	10	197
NC*	Female	4.12	1	NC*
55	Total	9.20	11	120

Multiple Myeloma

NC*	Male	1.69	1	NC*
NC*	Female	1.50	0	NC*
NC*	Total	3.19	1	NC*

Non-Hodgkin's Lymphoma

NC*	Male	7.34	14	191 #+
103	Female	6.13	1	NC*
102	Total	13.47	15	111

Oral Cavity and Pharynx

	Male	6.62	6	91
128	Female	2.82	0	NC*
	Total	9.45	6	63

Ovary

60 #-				
73	Female	6.92	7	101
66 #-				

Pancreas

NC*	Male	3.49	2	NC*
NC*	Female	3.50	2	NC*
NC*	Total	7.00	4	NC*

Prostate

NC*	Male	55.61	56	101
NC*				
NC*				

Stomach

142	Male	4.12	7	170
NC*	Female	2.40	0	NC*
101	Total	6.52	7	107

Testis

NC*	Male	2.62	3	NC*
NC*				
111				

Thyroid

NC*	Male	1.03	3	NC*
NC*	Female	2.76	3	NC*
74	Total	3.79	6	158

Uteri, Corpus and Uterus, NOS

NC*				
NC*	Female	10.48	5	48
NC*				

<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	31.14	40	128	Male	190.24	193	101
Female	21.20	20	94	Female	173.11	143	83 #
Total	52.33	60	115	Total	363.35	336	92

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GRANBY

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.05	1	NC*	Male	2.23	2	NC*
Female	1.31	2	NC*	Female	1.73	2	NC*
Total	5.36	3	NC*	Total	3.96	4	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.52	2	NC*	Male	0.74	0	NC*
Female	1.32	5	380 #+	Female	0.60	1	NC*
Total	2.84	7	246	Total	1.34	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.22	0	NC*	Male	3.18	1	NC*
Female	23.47	17	72	Female	2.47	3	NC*
Total	23.69	17	72	Total	5.66	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	2.99	2	NC*
Female	1.66	2	NC*	Female	1.17	2	NC*
				Total	4.15	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.79	9	83				
Female	8.58	5	58	Female	2.91	2	NC*
Total	19.37	14	72				

<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.46	0	NC*	Male	1.54	2	NC*
Female	0.43	0	NC*	Female	1.39	1	NC*
Total	1.89	0	NC*	Total	2.93	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.72	0	NC*	Male	24.38	17	70
Female	0.57	0	NC*				
Total	1.29	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.53	5	198	Male	1.78	3	NC*
Female	1.35	1	NC*	Female	0.93	1	NC*
Total	3.88	6	155	Total	2.71	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.61	3	NC*	Male	1.06	1	NC*
Female	0.41	0	NC*				
Total	2.01	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.71	3	NC*	Male	0.44	0	NC*
Female	1.17	0	NC*	Female	1.18	0	NC*
Total	2.88	3	NC*	Total	1.62	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.70	0	NC*				
Female	0.28	0	NC*	Female	4.41	6	136
Total	0.98	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	13.89	7	50	Male	83.45	60	72 ~-
Female	8.80	10	114	Female	71.11	65	91
Total	22.70	17	75	Total	154.56	125	81 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GRANVILLE

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.85	0	NC*	Male	0.51	0	NC*
Female	0.31	0	NC*	Female	0.41	1	NC*
Total	1.16	0	NC*	Total	0.92	1	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.37	0	NC*	Male	0.16	0	NC*
Female	0.31	0	NC*	Female	0.14	0	NC*
Total	0.67	0	NC*	Total	0.30	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.05	0	NC*	Male	0.73	1	NC*
Female	5.52	4	NC*	Female	0.58	0	NC*
Total	5.56	4	NC*	Total	1.31	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.69	1	NC*
Female	0.39	1	NC*	Female	0.28	0	NC*
				Total	0.96	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.27	1	NC*				
Female	2.03	3	NC*	Female	0.68	2	NC*
Total	4.31	4	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.32	0	NC*	Male	0.34	0	NC*
Female	0.10	0	NC*	Female	0.32	1	NC*
Total	0.42	0	NC*	Total	0.66	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.19	1	NC*	Male	5.18	2	NC*
Female	0.13	0	NC*				
Total	0.32	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.57	0	NC*	Male	0.38	0	NC*
Female	0.31	0	NC*	Female	0.22	0	NC*
Total	0.88	0	NC*	Total	0.60	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.36	0	NC*	Male	0.28	0	NC*
Female	0.09	0	NC*				
Total	0.46	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.40	0	NC*	Male	0.11	0	NC*
Female	0.28	1	NC*	Female	0.27	0	NC*

Total	0.67	1	NC*	Total	0.38	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.16	0	NC*				
Female	0.06	0	NC*	Female	1.03	1	NC*
Total	0.22	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	3.05	5	164	Male	18.29	11	60
Female	1.99	0	NC*	Female	16.63	15	90
Total	5.04	5	99	Total	34.93	26	74

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** ≤ 0.05 level

~ indicates statistical significance at the **p** ≤ 0.01 level, as well as at the **p** ≤ 0.05 level

^ indicates statistical significance at the **p** ≤ 0.001 level, as well as at the **p** ≤ 0.05 and **p** ≤ 0.01 levels

GREAT BARRINGTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.52	6	92	Male	3.09	1	NC*
Female	3.35	0	NC*	Female	3.04	1	NC*
Total	9.87	6	61	Total	6.13	2	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.02	3	NC*	Male	1.17	0	NC*
Female	2.36	4	NC*	Female	1.44	1	NC*
Total	4.38	7	160	Total	2.60	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.34	0	NC*	Male	4.51	8	177
Female	45.13	38	84	Female	5.54	4	NC*
Total	45.47	38	84	Total	10.05	12	119
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	4.04	3	NC*
Female	2.51	0	NC*	Female	2.38	1	NC*

				Total	6.42	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	17.25	23	133				
Female	22.98	17	74	Female	5.28	6	114
Total	40.23	40	99				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.12	1	NC*	Male	2.31	2	NC*
Female	1.13	0	NC*	Female	3.48	2	NC*
Total	3.25	1	NC*	Total	5.79	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.86	1	NC*	Male	38.28	17	44 ^-
Female	0.80	1	NC*				
Total	1.66	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.58	3	NC*	Male	2.85	2	NC*
Female	2.76	0	NC*	Female	2.58	3	NC*
Total	6.34	3	NC*	Total	5.43	5	92
<u>Larynx</u>				<u>Testis</u>			
Male	2.23	3	NC*	Male	1.15	0	NC*
Female	0.73	0	NC*				
Total	2.97	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.49	1	NC*	Male	0.54	0	NC*
Female	2.48	1	NC*	Female	1.71	2	NC*
Total	4.96	2	NC*	Total	2.25	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.02	0	NC*				
Female	0.64	0	NC*	Female	8.33	5	60
Total	1.66	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	20.48	11	54 #-	Male	125.60	90	72 ~-
Female	17.58	10	57	Female	147.99	103	70 ^-
Total	38.05	21	55 ~-	Total	273.59	193	71 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GREENFIELD**Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	16.03	24	150	Male	7.71	13	169
Female	7.18	7	98	Female	6.95	10	144
Total	23.21	31	134	Total	14.66	23	157
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.02	7	139	Male	2.85	4	NC*
Female	5.37	4	NC*	Female	3.11	2	NC*
Total	10.40	11	106	Total	5.96	6	101
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.83	0	NC*	Male	11.25	9	80
Female	100.65	114	113	Female	12.17	17	140
Total	101.48	114	112	Total	23.43	26	111
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	10.00	7	70
Female	5.99	8	134	Female	5.25	6	114
				Total	15.25	13	85
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	42.38	46	109				
Female	49.07	56	114	Female	11.92	8	67
Total	91.45	102	112				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.21	5	96	Male	5.71	9	158
Female	2.42	1	NC*	Female	7.50	6	80
Total	7.62	6	79	Total	13.22	15	113
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.23	1	NC*	Male	94.72	79	83
Female	2.00	2	NC*				
Total	4.23	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	8.80	6	68	Male	7.02	5	71
Female	6.14	8	130	Female	5.46	3	NC*
Total	14.94	14	94	Total	12.48	8	64
<u>Larynx</u>				<u>Testis</u>			
Male	5.52	5	91	Male	3.14	2	NC*

Female	1.63	4	NC*				
Total	7.15	9	126				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	6.11	5	82	Male	1.37	1	NC*
Female	5.47	7	128	Female	4.15	3	NC*
Total	11.58	12	104	Total	5.52	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.52	2	NC*				
Female	1.39	1	NC*	Female	18.58	28	151 #+
Total	3.91	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	50.41	47	93	Male	310.47	296	95
Female	39.32	44	112	Female	327.21	367	112 #+
Total	89.73	91	101	Total	637.68	663	104

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

GROTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.57	3	NC*	Male	2.78	1	NC*
Female	1.48	4	NC*	Female	2.17	4	NC*
Total	6.05	7	116	Total	4.95	5	101
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.95	1	NC*	Male	0.85	0	NC*
Female	1.63	2	NC*	Female	0.68	0	NC*
Total	3.58	3	NC*	Total	1.53	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.26	0	NC*	Male	3.90	4	NC*

Female	28.74	32	111	Female	2.88	2	NC*
Total	29.00	32	110	Total	6.78	6	88
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.12	3	NC*	Male	3.75	2	NC*
				Female	1.41	1	NC*
				Total	5.16	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	12.14	4	NC*				
Female	9.56	8	84	Female	3.62	4	NC*
Total	21.70	12	55 #-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.75	2	NC*	Male	1.78	2	NC*
Female	0.47	1	NC*	Female	1.55	1	NC*
Total	2.23	3	NC*	Total	3.33	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.97	3	NC*	Male	26.09	29	111
Female	0.73	0	NC*				
Total	1.70	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.05	1	NC*	Male	2.04	1	NC*
Female	1.59	0	NC*	Female	1.05	0	NC*
Total	4.65	1	NC*	Total	3.09	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.95	1	NC*	Male	1.45	0	NC*
Female	0.50	1	NC*				
Total	2.45	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.10	2	NC*	Male	0.59	0	NC*
Female	1.43	4	NC*	Female	1.52	3	NC*
Total	3.53	6	170	Total	2.10	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.83	0	NC*				
Female	0.31	0	NC*	Female	5.35	3	NC*
Total	1.15	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	15.99	4	NC*	Male	95.91	68	71 ~-
Female	10.17	5	49	Female	84.80	82	97
Total	26.16	9	34 ^-	Total	180.71	150	83 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

- + indicates number of observed cases is statistically significantly higher than the expected number of cases
 - indicates number of observed cases is statistically significantly lower than the expected number of cases
 # indicates statistical significance at the $p \leq 0.05$ level
 ~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level
 ^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

GROVELAND

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.12	3	NC*	Male	1.87	1	NC*
Female	1.16	0	NC*	Female	1.54	1	NC*
Total	4.28	3	NC*	Total	3.41	2	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.31	0	NC*	Male	0.58	0	NC*
Female	1.17	1	NC*	Female	0.53	0	NC*
Total	2.48	1	NC*	Total	1.11	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.18	0	NC*	Male	2.65	1	NC*
Female	20.98	24	114	Female	2.18	1	NC*
Total	21.15	24	113	Total	4.83	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	2.49	1	NC*
Female	1.45	0	NC*	Female	1.04	0	NC*
				Total	3.53	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	8.31	13	156				
Female	7.59	8	105	Female	2.60	1	NC*
Total	15.90	21	132				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.17	0	NC*	Male	1.21	0	NC*
Female	0.38	0	NC*	Female	1.22	3	NC*
Total	1.55	0	NC*	Total	2.43	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.66	0	NC*	Male	18.26	22	120
Female	0.49	1	NC*				
Total	1.15	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.06	3	NC*	Male	1.39	1	NC*

Female	1.19	1	NC*	Female	0.83	1	NC*
Total	3.24	4	NC*	Total	2.22	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.30	5	383 #+	Male	1.02	0	NC*
Female	0.36	0	NC*				
Total	1.67	5	300				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.42	1	NC*	Male	0.40	0	NC*
Female	1.05	0	NC*	Female	1.03	0	NC*
Total	2.47	1	NC*	Total	1.43	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.56	0	NC*				
Female	0.24	2	NC*	Female	3.92	5	127
Total	0.80	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	10.90	9	83	Male	65.70	63	96
Female	7.63	7	92	Female	63.03	63	100
Total	18.54	16	86	Total	128.72	126	98

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HADLEY

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.32	4	NC*	Male	2.08	3	NC*
Female	1.51	1	NC*	Female	1.64	1	NC*
Total	5.83	5	86	Total	3.72	4	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.32	0	NC*	Male	0.77	0	NC*

Female	1.25	2	NC*	Female	0.67	0	NC*
Total	2.57	2	NC*	Total	1.44	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.22	0	NC*	Male	3.02	4	NC*
Female	23.68	32	135	Female	2.66	0	NC*
Total	23.90	32	134	Total	5.68	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.46	1	NC*	Male	2.71	3	NC*
				Female	1.21	1	NC*
				Total	3.92	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	11.46	9	79	Female	2.84	1	NC*
Female	10.13	8	79				
Total	21.59	17	79				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.41	1	NC*	Male	1.56	3	NC*
Female	0.50	0	NC*	Female	1.60	1	NC*
Total	1.92	1	NC*	Total	3.16	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.57	0	NC*	Male	26.25	24	91
Female	0.47	0	NC*				
Total	1.04	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.40	4	NC*	Male	1.88	1	NC*
Female	1.41	1	NC*	Female	1.11	0	NC*
Total	3.80	5	131	Total	2.98	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.51	1	NC*	Male	0.84	1	NC*
Female	0.40	0	NC*				
Total	1.92	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.59	0	NC*	Male	0.37	0	NC*
Female	1.18	0	NC*	Female	1.00	2	NC*
Total	2.77	0	NC*	Total	1.37	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.68	1	NC*	Female	4.46	5	112
Female	0.30	0	NC*				
Total	0.99	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	13.90	9	65	Male	84.63	77	91
Female	9.25	3	NC*	Female	74.18	66	89
Total	23.14	12	52 #-	Total	158.81	143	90

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HALIFAX

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.31	4	NC*	Male	2.76	5	181
Female	1.86	1	NC*	Female	2.22	3	NC*
Total	7.17	5	70	Total	4.98	8	161
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.85	2	NC*	Male	0.96	0	NC*
Female	1.71	3	NC*	Female	0.84	1	NC*
Total	3.56	5	141	Total	1.80	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.28	0	NC*	Male	3.98	1	NC*
Female	30.78	27	88	Female	3.39	0	NC*
Total	31.06	27	87	Total	7.37	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	3.61	4	NC*
Female	2.06	4	NC*	Female	1.55	3	NC*
				Total	5.16	7	136
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.07	15	107				
Female	12.38	15	121	Female	3.77	2	NC*
Total	26.45	30	113				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.81	1	NC*	Male	1.94	1	NC*
Female	0.62	0	NC*	Female	1.97	4	NC*
Total	2.43	1	NC*	Total	3.91	5	128
<u>Hodgkin's Disease</u>				<u>Prostate</u>			

Male	0.86	1	NC*	Male	30.97	37	119
Female	0.71	0	NC*				
Total	1.57	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.11	2	NC*	Male	2.34	1	NC*
Female	1.81	3	NC*	Female	1.35	1	NC*
Total	4.92	5	102	Total	3.69	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.95	0	NC*	Male	1.25	0	NC*
Female	0.52	0	NC*				
Total	2.47	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.16	4	NC*	Male	0.53	0	NC*
Female	1.58	0	NC*	Female	1.46	3	NC*
Total	3.74	4	NC*	Total	1.98	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.87	0	NC*				
Female	0.38	0	NC*	Female	5.76	10	174
Total	1.25	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	17.24	19	110	Male	105.36	99	94
Female	11.76	12	102	Female	95.39	97	102
Total	29.00	31	107	Total	200.75	196	98

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HAMILTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			<u>Melanoma of Skin</u>		

Male	5.44	7	129	Male	2.99	4	NC*
Female	1.80	1	NC*	Female	2.31	2	NC*
Total	7.24	8	111	Total	5.31	6	113
<u>Brain and Central Nervous System</u>			<u>Multiple Myeloma</u>				
Male	2.04	1	NC*	Male	0.99	0	NC*
Female	1.75	2	NC*	Female	0.82	1	NC*
Total	3.79	3	NC*	Total	1.81	1	NC*
<u>Breast</u>			<u>Non-Hodgkin's Lymphoma</u>				
Male	0.30	0	NC*	Male	4.26	2	NC*
Female	32.02	32	100	Female	3.35	5	149
Total	32.31	32	99	Total	7.61	7	92
<u>Cervix Uteri</u>			<u>Oral Cavity and Pharynx</u>				
Female	2.17	2	NC*	Male	4.02	2	NC*
				Female	1.59	4	NC*
				Total	5.62	6	107
<u>Colon / Rectum</u>			<u>Ovary</u>				
Male	14.48	9	62	Female	3.94	7	177
Female	11.78	12	102				
Total	26.26	21	80				
<u>Esophagus</u>			<u>Pancreas</u>				
Male	1.96	1	NC*	Male	2.07	2	NC*
Female	0.59	0	NC*	Female	1.90	2	NC*
Total	2.55	1	NC*	Total	3.97	4	NC*
<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	0.95	1	NC*	Male	32.64	44	135
Female	0.72	2	NC*				
Total	1.67	3	NC*				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	3.38	4	NC*	Male	2.40	2	NC*
Female	1.83	0	NC*	Female	1.28	0	NC*
Total	5.21	4	NC*	Total	3.68	2	NC*
<u>Larynx</u>			<u>Testis</u>				
Male	2.16	6	277 #+	Male	1.41	5	355 #+
Female	0.56	1	NC*				
Total	2.72	7	257 #+				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	2.29	4	NC*	Male	0.59	0	NC*
Female	1.57	3	NC*	Female	1.53	2	NC*
Total	3.85	7	182	Total	2.12	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	0.94	0	NC*	Female	6.03	9	149
Female	0.37	0	NC*				
Total	1.31	0	NC*				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				

Male	18.59	13	70	Male	111.81	118	106
Female	11.95	11	92	Female	96.66	101	104
Total	30.54	24	79	Total	208.46	219	105

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HAMPDEN

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.23	5	155	Male	1.82	1	NC*
Female	1.33	2	NC*	Female	1.52	1	NC*
Total	4.56	7	154	Total	3.34	2	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.22	1	NC*	Male	0.59	1	NC*
Female	1.14	3	NC*	Female	0.59	2	NC*
Total	2.35	4	NC*	Total	1.18	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.18	0	NC*	Male	2.53	5	197
Female	21.53	17	79	Female	2.34	1	NC*
Total	21.70	17	78	Total	4.87	6	123
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	2.49	3	NC*
Female	1.36	1	NC*	Female	1.09	0	NC*
				Total	3.58	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	8.57	10	117				
Female	8.85	6	68	Female	2.61	3	NC*
Total	17.42	16	92				
<u>Esophagus</u>				<u>Pancreas</u>			

Male	1.20	1	NC*	Male	1.23	2	NC*
Female	0.43	1	NC*	Female	1.37	1	NC*
Total	1.64	2	NC*	Total	2.60	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.55	0	NC*	Male	18.69	17	91
Female	0.43	0	NC*				
Total	0.97	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.05	5	244	Male	1.43	5	349 #+
Female	1.22	0	NC*	Female	0.99	0	NC*
Total	3.27	5	153	Total	2.43	5	206
<u>Larynx</u>				<u>Testis</u>			
Male	1.33	1	NC*	Male	0.79	2	NC*
Female	0.36	0	NC*				
Total	1.69	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.35	0	NC*	Male	0.35	0	NC*
Female	1.08	1	NC*	Female	0.94	1	NC*
Total	2.44	1	NC*	Total	1.30	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.56	0	NC*				
Female	0.26	0	NC*	Female	3.99	7	175
Total	0.82	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	11.06	6	54	Male	65.93	67	102
Female	7.77	4	NC*	Female	66.10	54	82
Total	18.83	10	53 #-	Total	132.03	121	92

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HANCOCK

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.54	1	NC*	Male	0.28	0	NC*
Female	0.16	0	NC*	Female	0.21	0	NC*
Total	0.69	1	NC*	Total	0.49	0	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.18	0	NC*	Male	0.10	0	NC*
Female	0.16	0	NC*	Female	0.07	0	NC*
Total	0.34	0	NC*	Total	0.17	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.03	0	NC*	Male	0.40	0	NC*
Female	2.91	1	NC*	Female	0.29	0	NC*
Total	2.94	1	NC*	Total	0.69	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.38	0	NC*
Female	0.20	0	NC*	Female	0.14	0	NC*
				Total	0.52	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.42	1	NC*				
Female	1.00	1	NC*	Female	0.36	0	NC*
Total	2.43	2	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.19	0	NC*	Male	0.20	0	NC*
Female	0.05	0	NC*	Female	0.16	0	NC*
Total	0.24	0	NC*	Total	0.36	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.08	0	NC*	Male	3.10	2	NC*
Female	0.06	0	NC*				
Total	0.14	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.32	0	NC*	Male	0.24	0	NC*
Female	0.16	0	NC*	Female	0.11	0	NC*
Total	0.48	0	NC*	Total	0.34	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.20	0	NC*	Male	0.12	0	NC*
Female	0.05	0	NC*				
Total	0.26	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.21	0	NC*	Male	0.05	0	NC*
Female	0.13	0	NC*	Female	0.14	0	NC*
Total	0.35	0	NC*	Total	0.19	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.09	0
Female	0.03	0
Total	0.12	0

Uteri, Corpus and Uterus, NOS

NC*	Female	0.56	1	NC*
NC*				
NC*				

Lung and Bronchus

Male	1.77	1
Female	1.09	0
Total	2.86	1

All Sites / Types

NC*	Male	10.66	5	47
NC*	Female	8.64	3	NC*
NC*	Total	19.30	8	41 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HANOVER

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.16	6	84	Male	4.22	9	213
Female	2.73	1	NC*	Female	3.61	3	NC*
Total	9.89	7	71	Total	7.83	12	153
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.97	4	NC*	Male	1.33	2	NC*
Female	2.77	1	NC*	Female	1.26	1	NC*
Total	5.75	5	87	Total	2.59	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.40	0	NC*	Male	5.95	2	NC*
Female	50.23	45	90	Female	5.15	6	117
Total	50.64	45	89	Total	11.09	8	72
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	5.73	4	NC*
Female	3.39	5	148	Female	2.48	1	NC*
				Total	8.22	5	61

<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	19.07	27	142				
Female	17.77	11	62	Female	6.21	2	NC*
Total	36.84	38	103				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.71	5	184	Male	2.79	1	NC*
Female	0.89	1	NC*	Female	2.89	2	NC*
Total	3.60	6	167	Total	5.68	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.43	3	NC*	Male	42.05	51	121
Female	1.12	1	NC*				
Total	2.55	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.73	5	106	Male	3.18	1	NC*
Female	2.87	1	NC*	Female	1.92	1	NC*
Total	7.60	6	79	Total	5.10	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	3.02	4	NC*	Male	2.11	9	427 ^+
Female	0.88	0	NC*				
Total	3.91	4	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.24	6	185	Male	0.87	4	NC*
Female	2.45	4	NC*	Female	2.38	4	NC*
Total	5.69	10	176	Total	3.25	8	246 #+
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.29	1	NC*				
Female	0.57	0	NC*	Female	9.53	15	157
Total	1.87	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	25.16	19	76	Male	150.35	175	116
Female	18.76	22	117	Female	150.29	140	93
Total	43.92	41	93	Total	300.64	315	105

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HANSON**Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.35	7	131	Male	3.16	2	NC*
Female	1.95	3	NC*	Female	2.64	1	NC*
Total	7.30	10	137	Total	5.80	3	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.22	1	NC*	Male	0.99	0	NC*
Female	2.02	2	NC*	Female	0.89	2	NC*
Total	4.25	3	NC*	Total	1.88	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.30	0	NC*	Male	4.47	3	NC*
Female	35.65	31	87	Female	3.71	2	NC*
Total	35.95	31	86	Total	8.18	5	61
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	4.24	2	NC*
Female	2.54	6	236	Female	1.77	1	NC*
				Total	6.01	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.23	13	91				
Female	12.73	21	165 #+	Female	4.44	0	NC*
Total	26.97	34	126				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.00	2	NC*	Male	2.07	2	NC*
Female	0.63	0	NC*	Female	2.06	0	NC*
Total	2.64	2	NC*	Total	4.13	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.10	3	NC*	Male	31.29	37	118
Female	0.89	1	NC*				
Total	1.98	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.50	2	NC*	Male	2.38	2	NC*
Female	2.04	5	246	Female	1.38	0	NC*
Total	5.53	7	127	Total	3.77	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.23	1	NC*	Male	1.64	9	547 ^+
Female	0.61	0	NC*				

Total	2.84	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.43	4	NC*	Male	0.66	1	NC*
Female	1.80	4	NC*	Female	1.82	2	NC*
Total	4.23	8	189	Total	2.47	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.96	1	NC*				
Female	0.41	0	NC*	Female	6.67	6	90
Total	1.37	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	18.59	23	124	Male	112.00	123	110
Female	13.13	16	122	Female	107.33	110	102
Total	31.73	39	123	Total	219.33	233	106

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HARDWICK

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.05	0	NC*	Male	1.01	0	NC*
Female	0.72	2	NC*	Female	0.78	0	NC*
Total	2.77	2	NC*	Total	1.79	0	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.66	0	NC*	Male	0.37	2	NC*
Female	0.61	1	NC*	Female	0.32	1	NC*
Total	1.26	1	NC*	Total	0.68	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.11	0	NC*	Male	1.47	3	NC*
Female	11.01	6	55	Female	1.27	0	NC*

Total	11.11	6	54	Total	2.73	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.70	0	NC*	Male	1.29	1	NC*
				Female	0.56	0	NC*
				Total	1.86	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.40	3	NC*	Female	1.33	3	NC*
Female	4.83	4	NC*				
Total	10.23	7	68				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.67	2	NC*	Male	0.72	2	NC*
Female	0.24	0	NC*	Female	0.76	1	NC*
Total	0.90	2	NC*	Total	1.48	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.30	0	NC*	Male	11.62	7	60
Female	0.24	1	NC*				
Total	0.55	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.12	2	NC*	Male	0.91	0	NC*
Female	0.66	0	NC*	Female	0.53	2	NC*
Total	1.78	2	NC*	Total	1.44	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.70	0	NC*	Male	0.44	0	NC*
Female	0.18	0	NC*				
Total	0.88	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.79	1	NC*	Male	0.18	0	NC*
Female	0.59	1	NC*	Female	0.49	1	NC*
Total	1.38	2	NC*	Total	0.67	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.32	0	NC*	Female	2.05	3	NC*
Female	0.14	0	NC*				
Total	0.46	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	6.28	6	95	Male	39.22	30	76
Female	4.29	1	NC*	Female	34.90	28	80
Total	10.58	7	66	Total	74.12	58	78

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases
 # indicates statistical significance at the $p \leq 0.05$ level
 ~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level
 ^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

HARVARD

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.54	1	NC*	Male	3.14	2	NC*
Female	1.00	0	NC*	Female	2.06	2	NC*
Total	4.53	1	NC*	Total	5.20	4	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.59	4	NC*	Male	0.67	0	NC*
Female	1.55	2	NC*	Female	0.46	1	NC*
Total	4.13	6	145	Total	1.13	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.22	1	NC*	Male	4.68	3	NC*
Female	23.40	26	111	Female	2.27	2	NC*
Total	23.62	27	114	Total	6.96	5	72
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	3.57	1	NC*
Female	2.26	1	NC*	Female	1.11	0	NC*
				Total	4.67	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	9.43	9	95				
Female	6.22	5	80	Female	3.15	2	NC*
Total	15.65	14	89				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.40	0	NC*	Male	1.48	2	NC*
Female	0.30	0	NC*	Female	1.02	2	NC*
Total	1.70	0	NC*	Total	2.50	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.89	1	NC*	Male	18.63	15	81
Female	0.93	0	NC*				
Total	2.82	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.81	1	NC*	Male	1.68	0	NC*
Female	1.24	0	NC*	Female	0.69	1	NC*

Total	4.05	1	NC*	Total	2.37	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.61	0	NC*	Male	3.39	1	NC*
Female	0.37	0	NC*				
Total	1.98	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.45	2	NC*	Male	0.95	0	NC*
Female	1.34	1	NC*	Female	1.72	1	NC*
Total	3.79	3	NC*	Total	2.67	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.75	0	NC*				
Female	0.24	0	NC*	Female	4.10	0	NC*
Total	0.99	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	12.60	11	87	Male	85.33	59	69 ~-
Female	7.33	14	191 #+	Female	67.34	63	94
Total	19.93	25	125	Total	152.66	122	80 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HARWICH

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	14.57	17	117	Male	6.09	7	115
Female	5.38	9	167	Female	4.73	9	190
Total	19.94	26	130	Total	10.82	16	148
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.69	5	136	Male	2.56	2	NC*
Female	3.79	2	NC*	Female	2.37	5	211

Total	7.47	7	94	Total	4.92	7	142
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.73	1	NC*	Male	8.96	9	100
Female	74.21	86	116	Female	8.92	15	168
Total	74.94	87	116	Total	17.88	24	134
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.78	1	NC*	Male	8.00	9	113
				Female	3.91	7	179
				Total	11.91	16	134
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	38.44	50	130	Female	8.58	8	93
Female	36.60	32	87				
Total	75.04	82	109				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.46	5	112	Male	5.01	4	NC*
Female	1.83	3	NC*	Female	5.71	14	245 ~+
Total	6.29	8	127	Total	10.72	18	168
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.29	4	NC*	Male	87.32	105	120
Female	1.12	0	NC*				
Total	2.41	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	7.32	9	123	Male	6.30	6	95
Female	4.67	4	NC*	Female	3.98	5	126
Total	11.99	13	108	Total	10.28	11	107
<u>Larynx</u>				<u>Testis</u>			
Male	4.62	4	NC*	Male	1.48	0	NC*
Female	1.28	1	NC*				
Total	5.90	5	85				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.93	5	101	Male	0.88	0	NC*
Female	3.78	3	NC*	Female	2.48	0	NC*
Total	8.71	8	92	Total	3.36	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.14	5	234	Female	14.26	21	147
Female	1.04	0	NC*				
Total	3.19	5	157				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	44.17	44	100	Male	270.85	314	116 #+
Female	31.16	36	116	Female	242.11	279	115 #+
Total	75.33	80	106	Total	512.96	593	116 ^+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HATFIELD

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.68	3	NC*	Male	1.38	2	NC*
Female	0.99	3	NC*	Female	1.11	0	NC*
Total	3.66	6	164	Total	2.49	2	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.89	1	NC*	Male	0.49	1	NC*
Female	0.86	2	NC*	Female	0.45	0	NC*
Total	1.76	3	NC*	Total	0.93	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.14	0	NC*	Male	1.95	0	NC*
Female	16.25	24	148	Female	1.76	3	NC*
Total	16.39	24	146	Total	3.72	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	1.87	2	NC*
Female	0.99	1	NC*	Female	0.82	2	NC*
				Total	2.70	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	7.13	4	NC*				
Female	6.53	6	92	Female	1.96	2	NC*
Total	13.66	10	73				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.94	1	NC*	Male	1.00	1	NC*
Female	0.33	0	NC*	Female	1.05	1	NC*
Total	1.27	1	NC*	Total	2.05	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.38	1	NC*	Male	16.19	7	43 #-

Female	0.31	1	NC*				
Total	0.69	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.60	0	NC*	Male	1.17	0	NC*
Female	0.96	1	NC*	Female	0.70	0	NC*
Total	2.56	1	NC*	Total	1.87	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.03	1	NC*	Male	0.53	0	NC*
Female	0.29	0	NC*				
Total	1.32	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.04	0	NC*	Male	0.25	0	NC*
Female	0.78	1	NC*	Female	0.67	0	NC*
Total	1.82	1	NC*	Total	0.92	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.45	0	NC*				
Female	0.20	1	NC*	Female	3.12	3	NC*
Total	0.65	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	9.02	8	89	Male	53.81	34	63 ~-
Female	6.43	7	109	Female	50.15	60	120
Total	15.45	15	97	Total	103.96	94	90

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** ≤ 0.05 level

~ indicates statistical significance at the **p** ≤ 0.01 level, as well as at the **p** ≤ 0.05 level

^ indicates statistical significance at the **p** ≤ 0.001 level, as well as at the **p** ≤ 0.05 and **p** ≤ 0.01 levels

HAVERHILL

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	36.46	43	118	Male	19.23	8	42 ~-

Female	14.97	23	154	Female	17.09	8	47 #-
Total	51.43	66	128	Total	36.32	16	44 ^-
<u>Brain and Central Nervous System</u>			<u>Multiple Myeloma</u>				
Male	13.12	19	145	Male	6.56	5	76
Female	13.05	7	54	Female	6.60	3	NC*
Total	26.18	26	99	Total	13.16	8	61
<u>Breast</u>			<u>Non-Hodgkin's Lymphoma</u>				
Male	1.94	1	NC*	Male	28.13	13	46 ~-
Female	234.29	211	90	Female	26.83	25	93
Total	236.23	212	90	Total	54.96	38	69 #-
<u>Cervix Uteri</u>			<u>Oral Cavity and Pharynx</u>				
Female	15.87	18	113	Male	24.48	26	106
				Female	11.92	6	50
				Total	36.40	32	88
<u>Colon / Rectum</u>			<u>Ovary</u>				
Male	96.57	93	96				
Female	100.74	102	101	Female	28.59	23	80
Total	197.31	195	99				
<u>Esophagus</u>			<u>Pancreas</u>				
Male	12.21	13	106	Male	13.28	12	90
Female	4.97	3	NC*	Female	15.69	10	64
Total	17.19	16	93	Total	28.98	22	76
<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	6.61	8	121	Male	213.17	160	75 ^-
Female	5.61	4	NC*				
Total	12.22	12	98				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	21.16	21	99	Male	16.10	13	81
Female	13.88	14	101	Female	11.12	15	135
Total	35.04	35	100	Total	27.23	28	103
<u>Larynx</u>			<u>Testis</u>				
Male	13.10	10	76	Male	10.13	9	89
Female	3.83	4	NC*				
Total	16.93	14	83				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	15.14	9	59	Male	3.86	4	NC*
Female	12.53	13	104	Female	11.29	6	53
Total	27.67	22	79	Total	15.15	10	66
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	5.98	5	84				
Female	3.02	1	NC*	Female	43.08	28	65 #-
Total	8.99	6	67				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				
Male	117.09	111	95	Male	727.04	618	85 ^-

Female	88.67	88	99	Female	738.94	669	91 ~-
Total	205.76	199	97	Total	1465.98	1287	88 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HAWLEY

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.35	0	NC*	Male	0.17	0	NC*
Female	0.09	1	NC*	Female	0.09	0	NC*
Total	0.44	1	NC*	Total	0.26	0	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.11	0	NC*	Male	0.06	0	NC*
Female	0.07	0	NC*	Female	0.04	0	NC*
Total	0.18	0	NC*	Total	0.10	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.02	0	NC*	Male	0.24	0	NC*
Female	1.38	0	NC*	Female	0.15	0	NC*
Total	1.40	0	NC*	Total	0.39	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.22	0	NC*
Female	0.08	0	NC*	Female	0.07	0	NC*
				Total	0.29	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	0.93	2	NC*				
Female	0.57	0	NC*	Female	0.17	0	NC*
Total	1.50	2	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.12	0	NC*	Male	0.13	0	NC*

Female	0.03	0	NC*	Female	0.09	0	NC*
Total	0.15	0	NC*	Total	0.22	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.04	0	NC*	Male	2.10	1	NC*
Female	0.03	0	NC*				
Total	0.07	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.20	0	NC*	Male	0.15	0	NC*
Female	0.08	0	NC*	Female	0.06	0	NC*
Total	0.28	0	NC*	Total	0.21	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.13	0	NC*	Male	0.05	0	NC*
Female	0.02	0	NC*				
Total	0.15	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.13	0	NC*	Male	0.03	0	NC*
Female	0.07	1	NC*	Female	0.06	0	NC*
Total	0.20	1	NC*	Total	0.08	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.06	0	NC*				
Female	0.02	0	NC*	Female	0.27	0	NC*
Total	0.07	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	1.14	0	NC*	Male	6.83	3	NC*
Female	0.55	1	NC*	Female	4.29	4	NC*
Total	1.69	1	NC*	Total	11.12	7	63

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HEATH

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.53	1	NC*	Male	0.29	1	NC*
Female	0.15	0	NC*	Female	0.19	0	NC*
Total	0.67	1	NC*	Total	0.48	1	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.20	0	NC*	Male	0.10	0	NC*
Female	0.15	0	NC*	Female	0.07	1	NC*
Total	0.35	0	NC*	Total	0.16	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.03	0	NC*	Male	0.41	1	NC*
Female	2.64	1	NC*	Female	0.28	2	NC*
Total	2.67	1	NC*	Total	0.68	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.38	0	NC*
Female	0.18	0	NC*	Female	0.13	0	NC*
				Total	0.51	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.39	1	NC*				
Female	0.97	1	NC*	Female	0.33	0	NC*
Total	2.36	2	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.19	0	NC*	Male	0.20	0	NC*
Female	0.05	0	NC*	Female	0.15	0	NC*
Total	0.23	0	NC*	Total	0.35	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.09	0	NC*	Male	3.05	3	NC*
Female	0.06	0	NC*				
Total	0.15	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.32	0	NC*	Male	0.23	0	NC*
Female	0.15	0	NC*	Female	0.11	1	NC*
Total	0.47	0	NC*	Total	0.34	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.20	0	NC*	Male	0.13	0	NC*
Female	0.05	0	NC*				
Total	0.25	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.22	0	NC*	Male	0.06	0	NC*
Female	0.14	0	NC*	Female	0.13	0	NC*
Total	0.36	0	NC*	Total	0.18	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.09	0	NC*				

Female	0.03	0	NC*	Female	0.49	0	NC*
Total	0.12	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	1.75	1	NC*	Male	10.61	8	75
Female	0.96	0	NC*	Female	7.97	7	88
Total	2.71	1	NC*	Total	18.58	15	81

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HINGHAM

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	15.28	18	118	Male	8.24	14	170
Female	5.77	7	121	Female	6.80	8	118
Total	21.05	25	119	Total	15.04	22	146
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.51	2	NC*	Male	2.80	2	NC*
Female	5.20	4	NC*	Female	2.61	2	NC*
Total	10.71	6	56	Total	5.41	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.83	3	NC*	Male	11.60	14	121
Female	97.69	107	110	Female	10.37	9	87
Total	98.52	110	112	Total	21.97	23	105
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	11.30	10	89
Female	6.12	3	NC*	Female	4.93	1	NC*
				Total	16.22	11	68
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	40.63	39	96				

Female	38.01	28	74	Female	11.85	10	84
Total	78.63	67	85				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.56	5	90	Male	5.78	5	86
Female	1.90	0	NC*	Female	6.06	2	NC*
Total	7.45	5	67	Total	11.84	7	59
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.39	1	NC*	Male	90.50	118	130 ~+
Female	1.92	4	NC*				
Total	4.31	5	116				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	9.48	10	105	Male	6.73	5	74
Female	5.65	4	NC*	Female	4.15	4	NC*
Total	15.13	14	93	Total	10.88	9	83
<u>Larynx</u>				<u>Testis</u>			
Male	6.10	5	82	Male	3.35	5	149
Female	1.72	1	NC*				
Total	7.82	6	77				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	6.26	4	NC*	Male	1.55	2	NC*
Female	4.74	5	105	Female	4.21	4	NC*
Total	11.01	9	82	Total	5.76	6	104
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.62	1	NC*				
Female	1.17	1	NC*	Female	18.57	15	81
Total	3.79	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	52.17	36	69 #-	Male	310.41	323	104
Female	37.00	28	76	Female	297.68	264	89
Total	89.17	64	72 ~-	Total	608.09	587	97

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HINSDALE**Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.71	1	NC*	Male	0.87	1	NC*
Female	0.65	1	NC*	Female	0.67	2	NC*
Total	2.37	2	NC*	Total	1.54	3	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.56	0	NC*	Male	0.31	0	NC*
Female	0.51	0	NC*	Female	0.28	0	NC*
Total	1.07	0	NC*	Total	0.59	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.09	0	NC*	Male	1.24	1	NC*
Female	9.50	8	84	Female	1.12	2	NC*
Total	9.59	8	83	Total	2.36	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	1.14	1	NC*
Female	0.59	0	NC*	Female	0.50	0	NC*
				Total	1.64	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	4.51	3	NC*				
Female	4.42	9	203	Female	1.14	1	NC*
Total	8.93	12	134				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.58	0	NC*	Male	0.62	1	NC*
Female	0.22	0	NC*	Female	0.67	0	NC*
Total	0.79	0	NC*	Total	1.29	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.25	0	NC*	Male	9.78	5	51
Female	0.19	0	NC*				
Total	0.45	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.97	2	NC*	Male	0.76	0	NC*
Female	0.56	0	NC*	Female	0.50	1	NC*
Total	1.53	2	NC*	Total	1.25	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.62	0	NC*	Male	0.37	1	NC*
Female	0.16	0	NC*				
Total	0.77	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	0.67	2	NC*	Male	0.16	0	NC*
Female	0.51	0	NC*	Female	0.41	0	NC*
Total	1.18	2	NC*	Total	0.57	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.27	0	NC*				
Female	0.13	0	NC*	Female	1.75	2	NC*
Total	0.40	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	5.40	3	NC*	Male	33.21	26	78
Female	3.58	1	NC*	Female	30.40	28	92
Total	8.97	4	NC*	Total	63.61	54	85

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HOLBROOK

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	8.35	7	84	Male	4.39	6	137
Female	3.16	3	NC*	Female	3.76	2	NC*
Total	11.51	10	87	Total	8.15	8	98
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.96	1	NC*	Male	1.51	1	NC*
Female	2.87	2	NC*	Female	1.43	2	NC*
Total	5.83	3	NC*	Total	2.94	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.45	0	NC*	Male	6.32	5	79
Female	53.29	57	107	Female	5.74	3	NC*
Total	53.74	57	106	Total	12.06	8	66
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			

				Male	5.85	12	205 #+
Female	3.46	2	NC*	Female	2.69	2	NC*
				Total	8.54	14	164
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	22.26	27	121				
Female	20.83	22	106	Female	6.48	9	139
Total	43.10	49	114				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.92	3	NC*	Male	3.15	2	NC*
Female	1.04	1	NC*	Female	3.34	4	NC*
Total	3.96	4	NC*	Total	6.49	6	92
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.36	0	NC*	Male	51.27	37	72 #-
Female	1.12	1	NC*				
Total	2.48	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	5.04	10	199	Male	3.65	7	192
Female	3.12	1	NC*	Female	2.25	4	NC*
Total	8.16	11	135	Total	5.90	11	186
<u>Larynx</u>				<u>Testis</u>			
Male	3.20	2	NC*	Male	1.99	3	NC*
Female	0.93	0	NC*				
Total	4.13	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.39	2	NC*	Male	0.84	1	NC*
Female	2.60	3	NC*	Female	2.40	0	NC*
Total	5.99	5	84	Total	3.24	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.41	1	NC*				
Female	0.65	1	NC*	Female	10.12	7	69
Total	2.06	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	28.30	28	99	Male	170.43	172	101
Female	20.59	22	107	Female	163.52	161	98
Total	48.89	50	102	Total	333.96	333	100

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

HOLDEN

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	12.19	7	57	Male	6.21	6	97
Female	4.60	4	NC*	Female	5.09	8	157
Total	16.79	11	66	Total	11.30	14	124
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.11	5	122	Male	2.21	1	NC*
Female	3.94	5	127	Female	2.05	4	NC*
Total	8.05	10	124	Total	4.27	5	117
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.65	0	NC*	Male	8.84	7	79
Female	73.12	79	108	Female	8.14	6	74
Total	73.77	79	107	Total	16.98	13	77
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	8.43	5	59
Female	4.54	2	NC*	Female	3.72	2	NC*
				Total	12.15	7	58
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	32.35	28	87				
Female	30.75	27	88	Female	8.82	6	68
Total	63.10	55	87				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.26	3	NC*	Male	4.50	4	NC*
Female	1.52	1	NC*	Female	4.84	3	NC*
Total	5.78	4	NC*	Total	9.34	7	75
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.72	0	NC*	Male	72.13	71	98
Female	1.48	0	NC*				
Total	3.21	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	7.21	6	83	Male	5.35	3	NC*
Female	4.33	2	NC*	Female	3.37	5	148
Total	11.54	8	69	Total	8.72	8	92
<u>Larynx</u>				<u>Testis</u>			

Male	4.61	5	108	Male	2.32	2	NC*
Female	1.25	1	NC*				
Total	5.86	6	102				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.83	5	104	Male	1.11	1	NC*
Female	3.73	4	NC*	Female	3.15	3	NC*
Total	8.56	9	105	Total	4.26	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.02	1	NC*				
Female	0.92	0	NC*	Female	13.76	17	124
Total	2.94	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	40.39	22	54 ~-	Male	242.30	195	80 ~-
Female	28.14	15	53 #-	Female	228.04	204	89
Total	68.53	37	54 ^-	Total	470.34	399	85 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HOLLAND

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.36	4	NC*	Male	0.77	0	NC*
Female	0.42	0	NC*	Female	0.57	1	NC*
Total	1.78	4	NC*	Total	1.34	1	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.54	0	NC*	Male	0.25	0	NC*
Female	0.44	0	NC*	Female	0.19	0	NC*
Total	0.98	0	NC*	Total	0.44	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.07	0	NC*	Male	1.11	1	NC*
Female	7.44	8	107	Female	0.80	2	NC*
Total	7.52	8	106	Total	1.91	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	1.01	0	NC*
Female	0.56	1	NC*	Female	0.37	0	NC*
				Total	1.38	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.63	2	NC*				
Female	2.73	7	256 #+	Female	0.94	3	NC*
Total	6.37	9	141				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.49	0	NC*	Male	0.52	0	NC*
Female	0.14	0	NC*	Female	0.44	0	NC*
Total	0.62	0	NC*	Total	0.96	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.27	0	NC*	Male	8.16	8	98
Female	0.21	1	NC*				
Total	0.48	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.85	0	NC*	Male	0.60	0	NC*
Female	0.43	0	NC*	Female	0.30	0	NC*
Total	1.28	0	NC*	Total	0.90	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.54	0	NC*	Male	0.41	0	NC*
Female	0.12	0	NC*				
Total	0.66	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.60	0	NC*	Male	0.16	0	NC*
Female	0.40	0	NC*	Female	0.41	0	NC*
Total	1.00	0	NC*	Total	0.57	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.24	0	NC*				
Female	0.09	0	NC*	Female	1.37	2	NC*
Total	0.33	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.65	2	NC*	Male	28.30	18	64
Female	2.72	4	NC*	Female	22.70	31	137
Total	7.36	6	81	Total	50.99	49	96

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer
Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HOLLISTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.00	10	143	Male	4.45	6	135
Female	2.48	0	NC*	Female	3.64	4	NC*
Total	9.48	10	105	Total	8.08	10	124
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.17	3	NC*	Male	1.31	1	NC*
Female	2.72	3	NC*	Female	1.14	1	NC*
Total	5.89	6	102	Total	2.46	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.40	0	NC*	Male	6.20	6	97
Female	48.55	58	119	Female	4.82	3	NC*
Total	48.95	58	118	Total	11.02	9	82
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	6.09	5	82
Female	3.53	1	NC*	Female	2.37	3	NC*
				Total	8.46	8	95
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	18.72	19	101				
Female	15.94	27	169 #+	Female	6.10	4	NC*
Total	34.66	46	133				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.80	2	NC*	Male	2.82	5	177
Female	0.79	0	NC*	Female	2.58	6	232
Total	3.58	2	NC*	Total	5.41	11	203 #+
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.58	2	NC*	Male	41.37	37	89
Female	1.20	2	NC*				
Total	2.78	4	NC*				

<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.92	6	122	Male	3.13	2	NC*
Female	2.67	5	187	Female	1.75	0	NC*
Total	7.59	11	145	Total	4.87	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	3.17	3	NC*	Male	2.41	4	NC*
Female	0.84	0	NC*				
Total	4.02	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.33	5	150	Male	0.96	1	NC*
Female	2.37	4	NC*	Female	2.52	1	NC*
Total	5.69	9	158	Total	3.48	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.33	2	NC*				
Female	0.52	2	NC*	Female	9.06	10	110
Total	1.85	4	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	25.67	24	94	Male	152.00	156	103
Female	17.12	17	99	Female	142.50	160	112
Total	42.79	41	96	Total	294.50	316	107

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HOLYOKE

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	32.63	18	55 ~-	Male	15.66	8	51
Female	14.18	16	113	Female	14.31	8	56
Total	46.81	34	73	Total	29.97	16	53 ~-

Brain and Central Nervous System

Male	10.61	15
Female	11.29	13
Total	21.90	28

Breast

Male	1.69	2
Female	205.33	191
Total	207.02	193

Cervix Uteri

Female	12.48	15
--------	-------	----

Colon / Rectum

Male	86.29	99
Female	96.39	75
Total	182.68	174

Esophagus

Male	10.59	10
Female	4.75	9
Total	15.34	19

Hodgkin's Disease

Male	4.73	3
Female	4.32	4
Total	9.05	7

Kidney and Renal Pelvis

Male	18.02	21
Female	12.49	11
Total	30.52	32

Larynx

Male	11.23	24
Female	3.36	1
Total	14.59	25

Leukemia

Male	12.97	14
Female	11.36	19
Total	24.33	33

Liver and Intrahepatic Bile Ducts

Male	5.15	4
Female	2.80	2
Total	7.95	6

Lung and Bronchus

Male	102.71	91
Female	79.55	76
Total	182.26	167

Multiple Myeloma

141	Male	5.81	9	155
115	Female	6.17	9	146
128	Total	11.99	18	150

Non-Hodgkin's Lymphoma

NC*	Male	23.02	26	113
93	Female	24.39	23	94
93	Total	47.41	49	103

Oral Cavity and Pharynx

	Male	20.33	32	157 #+
120	Female	10.66	15	141
	Total	30.99	47	152 ~+

Ovary

115				
78 #-	Female	24.57	25	102
95				

Pancreas

94	Male	11.62	13	112
189	Female	14.82	17	115
124	Total	26.45	30	113

Prostate

NC*	Male	193.11	174	90
NC*				
77				

Stomach

117	Male	14.28	17	119
88	Female	10.70	9	84
105	Total	24.99	26	104

Testis

214 ~+	Male	6.38	6	94
NC*				
171 #+				

Thyroid

108	Male	2.80	2	NC*
167 #+	Female	8.75	7	80
136	Total	11.55	9	78

Uteri, Corpus and Uterus, NOS

NC*				
NC*	Female	38.00	54	142 #+
75				

All Sites / Types

89	Male	634.24	619	98
96	Female	661.90	651	98
92	Total	1296.14	1270	98

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HOPEDALE

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.11	6	146	Male	2.14	6	280 #+
Female	1.63	2	NC*	Female	1.86	3	NC*
Total	5.74	8	139	Total	4.01	9	225 #+
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.48	1	NC*	Male	0.74	1	NC*
Female	1.43	1	NC*	Female	0.72	0	NC*
Total	2.91	2	NC*	Total	1.46	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.22	0	NC*	Male	3.15	3	NC*
Female	25.47	33	130	Female	2.92	3	NC*
Total	25.69	33	128	Total	6.07	6	99
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	2.76	3	NC*
Female	1.73	1	NC*	Female	1.30	2	NC*
				Total	4.06	5	123
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.93	12	110				
Female	10.96	10	91	Female	3.11	2	NC*
Total	21.89	22	100				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.38	3	NC*	Male	1.52	0	NC*
Female	0.54	1	NC*	Female	1.71	1	NC*
Total	1.93	4	NC*	Total	3.23	1	NC*

<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	0.73	2	NC*	Male	24.96	29	116
Female	0.62	0	NC*				
Total	1.35	2	NC*				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	2.41	5	208	Male	1.80	1	NC*
Female	1.51	2	NC*	Female	1.21	1	NC*
Total	3.92	7	178	Total	3.01	2	NC*
<u>Larynx</u>			<u>Testis</u>				
Male	1.50	1	NC*	Male	1.10	0	NC*
Female	0.42	0	NC*				
Total	1.92	1	NC*				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	1.71	1	NC*	Male	0.43	2	NC*
Female	1.38	1	NC*	Female	1.23	0	NC*
Total	3.09	2	NC*	Total	1.66	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	0.68	2	NC*				
Female	0.33	0	NC*	Female	4.68	9	192
Total	1.01	2	NC*				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				
Male	13.52	12	89	Male	83.18	96	115
Female	9.64	4	NC*	Female	80.44	79	98
Total	23.16	16	69	Total	163.62	175	107

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HOPKINTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

Bladder, Urinary

Male	4.78	6
Female	1.76	3
Total	6.53	9

Brain and Central Nervous System

Male	2.25	8
Female	1.96	2
Total	4.21	10

Breast

Male	0.28	0
Female	33.57	36
Total	33.85	36

Cervix Uteri

Female	2.59	3
--------	------	---

Colon / Rectum

Male	12.72	10
Female	11.44	12
Total	24.16	22

Esophagus

Male	1.87	2
Female	0.56	1
Total	2.43	3

Hodgkin's Disease

Male	1.21	1
Female	0.94	0
Total	2.15	1

Kidney and Renal Pelvis

Male	3.33	3
Female	1.87	2
Total	5.19	5

Larynx

Male	2.10	4
Female	0.56	1
Total	2.66	5

Leukemia

Male	2.35	1
Female	1.75	2
Total	4.10	3

Liver and Intrahepatic Bile Ducts

Male	0.90	0
Female	0.38	1
Total	1.27	1

Melanoma of Skin

126	Male	3.11	6	193
NC*	Female	2.60	1	NC*
138	Total	5.72	7	122

Multiple Myeloma

356 ~+	Male	0.90	0	NC*
NC*	Female	0.80	1	NC*
237 #+	Total	1.70	1	NC*

Non-Hodgkin's Lymphoma

NC*	Male	4.39	6	137
107	Female	3.45	4	NC*
106	Total	7.84	10	128

Oral Cavity and Pharynx

	Male	4.12	1	NC*
NC*	Female	1.64	3	NC*
	Total	5.77	4	NC*

Ovary

79				
105	Female	4.26	6	141
91				

Pancreas

NC*	Male	1.90	4	NC*
NC*	Female	1.83	2	NC*
NC*	Total	3.73	6	161

Prostate

NC*	Male	27.10	29	107
NC*				
NC*				

Stomach

NC*	Male	2.15	4	NC*
NC*	Female	1.26	1	NC*
96	Total	3.42	5	146

Testis

NC*	Male	1.91	2	NC*
NC*				
188				

Thyroid

NC*	Male	0.71	1	NC*
NC*	Female	1.89	2	NC*
NC*	Total	2.59	3	NC*

Uteri, Corpus and Uterus, NOS

NC*				
NC*	Female	6.14	2	NC*
NC*				

<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	17.00	23	135	Male	102.92	117	114
Female	11.71	17	145	Female	99.99	108	108
Total	28.71	40	139	Total	202.91	225	111

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HUBBARDSTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.62	3	NC*	Male	1.00	3	NC*
Female	0.50	1	NC*	Female	0.79	3	NC*
Total	2.12	4	NC*	Total	1.79	6	335 #+
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.73	0	NC*	Male	0.30	0	NC*
Female	0.60	0	NC*	Female	0.23	0	NC*
Total	1.32	0	NC*	Total	0.53	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.09	0	NC*	Male	1.43	1	NC*
Female	9.82	9	92	Female	1.02	0	NC*
Total	9.92	9	91	Total	2.45	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	1.31	0	NC*
Female	0.81	0	NC*	Female	0.48	0	NC*
				Total	1.78	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	4.30	5	116				
Female	3.26	6	184	Female	1.26	3	NC*
Total	7.56	11	146				

<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.60	0	NC*	Male	0.62	0	NC*
Female	0.16	0	NC*	Female	0.53	0	NC*
Total	0.77	0	NC*	Total	1.15	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.39	1	NC*	Male	9.14	5	55
Female	0.31	0	NC*				
Total	0.70	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.07	0	NC*	Male	0.73	0	NC*
Female	0.55	1	NC*	Female	0.36	0	NC*
Total	1.62	1	NC*	Total	1.09	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.67	0	NC*	Male	0.61	1	NC*
Female	0.16	0	NC*				
Total	0.83	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.78	0	NC*	Male	0.22	1	NC*
Female	0.53	0	NC*	Female	0.60	2	NC*
Total	1.31	0	NC*	Total	0.82	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.29	1	NC*				
Female	0.11	0	NC*	Female	1.78	0	NC*
Total	0.40	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	5.53	4	NC*	Male	34.05	27	79
Female	3.45	2	NC*	Female	29.34	28	95
Total	8.98	6	67	Total	63.40	55	87

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HUDSON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	11.14	21	188 #+	Male	6.45	3	NC*
Female	4.45	8	180	Female	5.46	4	NC*
Total	15.59	29	186 ~+	Total	11.91	7	59
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.46	5	112	Male	2.05	1	NC*
Female	4.13	3	NC*	Female	2.01	1	NC*
Total	8.59	8	93	Total	4.05	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.62	1	NC*	Male	9.21	9	98
Female	75.47	67	89	Female	8.15	4	NC*
Total	76.09	68	89	Total	17.36	13	75
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	8.50	9	106
Female	5.11	7	137	Female	3.79	4	NC*
				Total	12.29	13	106
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	29.68	33	111				
Female	29.41	26	88	Female	9.25	5	54
Total	59.09	59	100				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.06	2	NC*	Male	4.27	6	140
Female	1.46	2	NC*	Female	4.68	4	NC*
Total	5.52	4	NC*	Total	8.95	10	112
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.25	3	NC*	Male	65.86	66	100
Female	1.72	4	NC*				
Total	3.96	7	177				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	7.11	10	141	Male	4.94	7	142
Female	4.37	9	206	Female	3.21	2	NC*
Total	11.47	19	166	Total	8.15	9	110
<u>Larynx</u>				<u>Testis</u>			
Male	4.49	7	156	Male	3.49	4	NC*
Female	1.29	2	NC*				
Total	5.78	9	156				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.88	8	164	Male	1.35	1	NC*
Female	3.78	3	NC*	Female	3.59	1	NC*

Total	8.66	11	127	Total	4.95	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.96	4	NC*	Female	14.12	6	42 #-
Female	0.91	0	NC*				
Total	2.87	4	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	38.28	57	149 ~+	Male	231.92	270	116 #+
Female	28.36	21	74	Female	231.31	201	87 #-
Total	66.64	78	117	Total	463.22	471	102

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HULL

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.76	8	118	Male	3.84	2	NC*
Female	2.33	2	NC*	Female	3.16	6	190
Total	9.09	10	110	Total	7.00	8	114
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.63	3	NC*	Male	1.24	2	NC*
Female	2.37	5	211	Female	1.06	2	NC*
Total	5.01	8	160	Total	2.30	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.37	0	NC*	Male	5.51	7	127
Female	42.42	49	116	Female	4.43	11	249 #+
Total	42.79	49	115	Total	9.94	18	181 #+
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	5.01	10	199
Female	3.06	4	NC*	Female	2.10	2	NC*

				Total	7.11	12	169
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	17.98	29	161 #+				
Female	15.21	19	125	Female	5.28	6	114
Total	33.19	48	145 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.42	3	NC*	Male	2.56	0	NC*
Female	0.76	2	NC*	Female	2.45	6	245
Total	3.17	5	158	Total	5.01	6	120
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.33	1	NC*	Male	39.62	38	96
Female	1.06	4	NC*				
Total	2.39	5	210				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.22	1	NC*	Male	3.00	1	NC*
Female	2.40	3	NC*	Female	1.66	2	NC*
Total	6.62	4	NC*	Total	4.65	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.65	2	NC*	Male	2.08	3	NC*
Female	0.72	0	NC*				
Total	3.37	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.91	5	172	Male	0.80	2	NC*
Female	2.10	2	NC*	Female	2.18	1	NC*
Total	5.02	7	140	Total	2.98	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.17	1	NC*				
Female	0.49	0	NC*	Female	7.90	9	114
Total	1.66	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	22.82	38	167 ~+	Male	139.04	164	118 #+
Female	15.55	33	212 ^+	Female	127.62	182	143 ^+
Total	38.37	71	185 ^+	Total	266.66	346	130 ^+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

HUNTINGTON**Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.53	2	NC*	Male	0.82	0	NC*
Female	0.43	0	NC*	Female	0.59	0	NC*
Total	1.96	2	NC*	Total	1.40	0	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.56	1	NC*	Male	0.28	1	NC*
Female	0.45	0	NC*	Female	0.20	1	NC*
Total	1.01	1	NC*	Total	0.48	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.08	0	NC*	Male	1.17	0	NC*
Female	7.84	10	127	Female	0.82	2	NC*
Total	7.93	10	126	Total	1.99	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	1.10	1	NC*
Female	0.57	0	NC*	Female	0.39	0	NC*
				Total	1.50	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	4.09	2	NC*				
Female	2.78	3	NC*	Female	0.98	0	NC*
Total	6.87	5	73				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.55	0	NC*	Male	0.58	0	NC*
Female	0.14	1	NC*	Female	0.45	0	NC*
Total	0.69	1	NC*	Total	1.03	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.25	0	NC*	Male	9.26	7	76
Female	0.20	0	NC*				
Total	0.45	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.95	3	NC*	Male	0.67	0	NC*
Female	0.45	0	NC*	Female	0.30	1	NC*
Total	1.40	3	NC*	Total	0.97	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.60	1	NC*	Male	0.35	0	NC*

Female	0.14	0	NC*				
Total	0.74	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.64	1	NC*	Male	0.16	0	NC*
Female	0.40	0	NC*	Female	0.41	1	NC*
Total	1.04	1	NC*	Total	0.56	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.26	0	NC*				
Female	0.09	0	NC*	Female	1.47	0	NC*
Total	0.35	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	5.25	3	NC*	Male	31.36	25	80
Female	2.91	0	NC*	Female	23.67	20	84
Total	8.16	3	NC*	Total	55.03	45	82

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** ≤ 0.05 level

~ indicates statistical significance at the **p** ≤ 0.01 level, as well as at the **p** ≤ 0.05 level

^ indicates statistical significance at the **p** ≤ 0.001 level, as well as at the **p** ≤ 0.05 and **p** ≤ 0.01 levels

IPSWICH

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.35	5	53	Male	4.88	7	143
Female	3.76	3	NC*	Female	4.13	4	NC*
Total	13.11	8	61	Total	9.01	11	122
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.21	2	NC*	Male	1.69	2	NC*
Female	3.17	2	NC*	Female	1.68	0	NC*
Total	6.38	4	NC*	Total	3.37	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.50	0	NC*	Male	6.95	9	129

Female	59.43	77	130 #+	Female	6.63	4	NC*
Total	59.93	77	128 #+	Total	13.58	13	96
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.68	8	217	Male	6.55	3	NC*
				Female	3.03	4	NC*
				Total	9.57	7	73
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	24.79	20	81	Female	7.15	10	140
Female	25.10	38	151 #+				
Total	49.90	58	116				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.26	6	184	Male	3.47	2	NC*
Female	1.25	0	NC*	Female	3.95	1	NC*
Total	4.51	6	133	Total	7.42	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.43	2	NC*	Male	55.25	62	112
Female	1.19	0	NC*				
Total	2.62	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	5.55	7	126	Male	4.12	4	NC*
Female	3.52	2	NC*	Female	2.75	1	NC*
Total	9.06	9	99	Total	6.86	5	73
<u>Larynx</u>				<u>Testis</u>			
Male	3.55	8	225	Male	2.07	1	NC*
Female	1.02	0	NC*				
Total	4.57	8	175				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.71	2	NC*	Male	0.91	1	NC*
Female	2.99	3	NC*	Female	2.54	1	NC*
Total	6.70	5	75	Total	3.45	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.55	3	NC*	Female	11.20	14	125
Female	0.75	1	NC*				
Total	2.30	4	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	30.93	29	94	Male	186.79	184	99
Female	22.99	25	109	Female	185.52	208	112
Total	53.92	54	100	Total	372.31	392	105

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

- + indicates number of observed cases is statistically significantly higher than the expected number of cases
 - indicates number of observed cases is statistically significantly lower than the expected number of cases
 # indicates statistical significance at the $p \leq 0.05$ level
 ~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level
 ^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

KINGSTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.58	7	92	Male	3.87	4	NC*
Female	2.77	3	NC*	Female	3.15	4	NC*
Total	10.35	10	97	Total	7.01	8	114
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.60	2	NC*	Male	1.36	2	NC*
Female	2.42	3	NC*	Female	1.23	4	NC*
Total	5.03	5	99	Total	2.59	6	231
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.40	1	NC*	Male	5.60	6	107
Female	44.10	49	111	Female	4.96	7	141
Total	44.50	50	112	Total	10.56	13	123
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	5.08	2	NC*
Female	2.88	4	NC*	Female	2.24	2	NC*
				Total	7.33	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	20.09	15	75				
Female	18.54	17	92	Female	5.36	4	NC*
Total	38.64	32	83				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.57	3	NC*	Male	2.78	2	NC*
Female	0.92	2	NC*	Female	2.92	3	NC*
Total	3.49	5	143	Total	5.70	5	88
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.20	0	NC*	Male	45.21	55	122
Female	0.98	2	NC*				
Total	2.18	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.40	2	NC*	Male	3.33	3	NC*

Female	2.62	5	191	Female	2.03	2	NC*
Total	7.01	7	100	Total	5.36	5	93
<u>Larynx</u>				<u>Testis</u>			
Male	2.77	2	NC*	Male	1.72	1	NC*
Female	0.74	1	NC*				
Total	3.52	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.06	4	NC*	Male	0.73	1	NC*
Female	2.29	2	NC*	Female	2.02	1	NC*
Total	5.35	6	112	Total	2.75	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.24	1	NC*				
Female	0.56	0	NC*	Female	8.23	14	170
Total	1.80	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	24.71	25	101	Male	150.90	149	99
Female	16.92	14	83	Female	138.07	156	113
Total	41.63	39	94	Total	288.97	305	106

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LAKEVILLE

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.35	4	NC*	Male	3.01	3	NC*
Female	1.82	4	NC*	Female	2.34	3	NC*
Total	7.17	8	112	Total	5.35	6	112
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.10	1	NC*	Male	0.98	2	NC*

Female	1.78	3	NC*	Female	0.82	0	NC*
Total	3.88	4	NC*	Total	1.80	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.29	0	NC*	Male	4.30	4	NC*
Female	31.39	31	99	Female	3.39	4	NC*
Total	31.69	31	98	Total	7.70	8	104
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.23	0	NC*	Male	4.02	1	NC*
				Female	1.57	2	NC*
				Total	5.59	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.24	13	91	Female	3.90	2	NC*
Female	12.05	14	116				
Total	26.28	27	103				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.94	0	NC*	Male	2.04	3	NC*
Female	0.60	0	NC*	Female	1.91	1	NC*
Total	2.54	0	NC*	Total	3.95	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.02	0	NC*	Male	31.69	30	95
Female	0.79	1	NC*				
Total	1.81	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.38	3	NC*	Male	2.37	3	NC*
Female	1.81	2	NC*	Female	1.33	0	NC*
Total	5.19	5	96	Total	3.69	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.14	3	NC*	Male	1.51	1	NC*
Female	0.53	0	NC*				
Total	2.67	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.34	1	NC*	Male	0.61	1	NC*
Female	1.64	2	NC*	Female	1.60	0	NC*
Total	3.98	3	NC*	Total	2.21	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.93	1	NC*	Female	5.80	5	86
Female	0.38	0	NC*				
Total	1.31	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	18.30	19	104	Male	110.55	98	89
Female	11.51	5	43	Female	96.13	85	88
Total	29.81	24	81	Total	206.67	183	89

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LANCASTER

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.97	0	NC*	Male	2.33	1	NC*
Female	1.60	2	NC*	Female	1.93	2	NC*
Total	5.57	2	NC*	Total	4.25	3	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.62	2	NC*	Male	0.73	1	NC*
Female	1.45	1	NC*	Female	0.70	1	NC*
Total	3.06	3	NC*	Total	1.43	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.22	0	NC*	Male	3.35	2	NC*
Female	25.82	26	101	Female	2.90	4	NC*
Total	26.04	26	100	Total	6.25	6	96
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	3.00	1	NC*
Female	1.83	3	NC*	Female	1.31	1	NC*
				Total	4.31	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.56	9	85				
Female	10.69	14	131	Female	3.18	2	NC*
Total	21.26	23	108				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.42	1	NC*	Male	1.51	1	NC*
Female	0.53	0	NC*	Female	1.66	2	NC*
Total	1.95	1	NC*	Total	3.17	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			

Male	0.86	0	NC*	Male	23.30	25	107
Female	0.65	1	NC*				
Total	1.51	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.51	3	NC*	Male	1.77	3	NC*
Female	1.49	3	NC*	Female	1.19	1	NC*
Total	4.00	6	150	Total	2.96	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.57	1	NC*	Male	1.38	6	435 ~+
Female	0.42	0	NC*				
Total	1.99	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.76	5	285	Male	0.50	0	NC*
Female	1.38	0	NC*	Female	1.31	1	NC*
Total	3.14	5	159	Total	1.81	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.69	0	NC*				
Female	0.32	0	NC*	Female	4.70	3	NC*
Total	1.02	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	13.45	8	59	Male	82.59	70	85
Female	9.38	4	NC*	Female	80.43	76	94
Total	22.83	12	53 #-	Total	163.02	146	90

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LANESBOROUGH

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			

Male	2.57	2	NC*	Male	1.30	2	NC*
Female	0.75	0	NC*	Female	0.91	1	NC*
Total	3.32	2	NC*	Total	2.21	3	NC*
<u>Brain and Central Nervous System</u>			<u>Multiple Myeloma</u>				
Male	0.86	1	NC*	Male	0.46	0	NC*
Female	0.71	0	NC*	Female	0.34	0	NC*
Total	1.58	1	NC*	Total	0.81	0	NC*
<u>Breast</u>			<u>Non-Hodgkin's Lymphoma</u>				
Male	0.14	0	NC*	Male	1.87	2	NC*
Female	12.92	10	77	Female	1.38	1	NC*
Total	13.06	10	77	Total	3.25	3	NC*
<u>Cervix Uteri</u>			<u>Oral Cavity and Pharynx</u>				
				Male	1.73	0	NC*
Female	0.84	1	NC*	Female	0.65	1	NC*
				Total	2.38	1	NC*
<u>Colon / Rectum</u>			<u>Ovary</u>				
Male	6.82	2	NC*				
Female	4.93	8	162	Female	1.58	0	NC*
Total	11.74	10	85				
<u>Esophagus</u>			<u>Pancreas</u>				
Male	0.88	1	NC*	Male	0.94	0	NC*
Female	0.25	0	NC*	Female	0.80	1	NC*
Total	1.12	1	NC*	Total	1.74	1	NC*
<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	0.38	1	NC*	Male	15.32	4	NC*
Female	0.28	0	NC*				
Total	0.66	1	NC*				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	1.49	2	NC*	Male	1.13	1	NC*
Female	0.76	0	NC*	Female	0.53	0	NC*
Total	2.26	2	NC*	Total	1.65	1	NC*
<u>Larynx</u>			<u>Testis</u>				
Male	0.95	0	NC*	Male	0.54	2	NC*
Female	0.23	0	NC*				
Total	1.18	0	NC*				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	1.01	1	NC*	Male	0.24	0	NC*
Female	0.64	0	NC*	Female	0.58	0	NC*
Total	1.66	1	NC*	Total	0.82	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	0.42	0	NC*				
Female	0.16	0	NC*	Female	2.47	0	NC*
Total	0.58	0	NC*				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				

Male	8.42	1	NC*	Male	51.03	23	45 ^-
Female	5.03	4	NC*	Female	39.54	29	73
Total	13.45	5	37 #-	Total	90.57	52	57 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LAWRENCE

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	40.91	46	112	Male	21.61	8	37 ~-
Female	17.41	14	80	Female	19.90	11	55 #-
Total	58.32	60	103	Total	41.51	19	46 ^-
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	15.49	16	103	Male	7.36	4	NC*
Female	15.71	11	70	Female	7.67	5	65
Total	31.20	27	87	Total	15.03	9	60
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	2.17	1	NC*	Male	31.98	24	75
Female	271.43	235	87 #-	Female	31.38	27	86
Total	273.60	236	86 #-	Total	63.36	51	80
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	27.27	23	84
Female	18.45	20	108	Female	13.82	15	109
				Total	41.10	38	92
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	108.35	123	114				
Female	117.47	107	91	Female	33.31	29	87
Total	225.82	230	102				
<u>Esophagus</u>				<u>Pancreas</u>			

Male	13.61	9	66	Male	14.87	21	141
Female	5.78	5	87	Female	18.29	26	142
Total	19.39	14	72	Total	33.16	47	142 #+
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	7.97	9	113	Male	239.26	260	109
Female	6.87	10	146				
Total	14.83	19	128				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	23.84	16	67	Male	18.08	17	94
Female	16.32	22	135	Female	12.97	16	123
Total	40.16	38	95	Total	31.05	33	106
<u>Larynx</u>				<u>Testis</u>			
Male	14.57	10	69	Male	11.80	3	NC*
Female	4.40	5	114				
Total	18.97	15	79				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	18.01	14	78	Male	4.42	6	136
Female	15.31	20	131	Female	13.31	13	98
Total	33.32	34	102	Total	17.73	19	107
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	6.74	8	119				
Female	3.56	6	168	Female	49.77	52	104
Total	10.31	14	136				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	130.87	153	117	Male	819.66	823	100
Female	102.92	117	114	Female	861.17	838	97
Total	233.79	270	115 #+	Total	1680.84	1661	99

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LEE

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.31	4	NC*	Male	2.63	1	NC*
Female	1.84	3	NC*	Female	1.97	3	NC*
Total	7.15	7	98	Total	4.60	4	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.72	2	NC*	Male	0.95	3	NC*
Female	1.53	4	NC*	Female	0.82	2	NC*
Total	3.25	6	185	Total	1.78	5	281
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.28	0	NC*	Male	3.80	2	NC*
Female	28.79	31	108	Female	3.22	5	155
Total	29.06	31	107	Total	7.02	7	100
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	3.50	3	NC*
Female	1.73	1	NC*	Female	1.47	1	NC*
				Total	4.97	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.11	13	92				
Female	12.30	16	130	Female	3.45	2	NC*
Total	26.41	29	110				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.79	1	NC*	Male	1.94	1	NC*
Female	0.61	0	NC*	Female	1.94	2	NC*
Total	2.41	1	NC*	Total	3.89	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.74	1	NC*	Male	32.06	15	47 ~-
Female	0.55	0	NC*				
Total	1.29	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.05	1	NC*	Male	2.32	1	NC*
Female	1.72	2	NC*	Female	1.34	0	NC*
Total	4.77	3	NC*	Total	3.66	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.93	3	NC*	Male	1.05	1	NC*
Female	0.50	0	NC*				
Total	2.43	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.05	1	NC*	Male	0.47	1	NC*
Female	1.44	0	NC*	Female	1.18	2	NC*
Total	3.49	1	NC*	Total	1.66	3	NC*

Liver and Intrahepatic Bile Ducts

Male	0.86	1
Female	0.37	0
Total	1.23	1

Uteri, Corpus and Uterus, NOS

NC*	Female	5.47	3	NC*
NC*				
NC*				

Lung and Bronchus

Male	17.39	10
Female	11.32	6
Total	28.70	16

All Sites / Types

58	Male	105.21	72	68 ^-
53	Female	90.19	87	96
56 #-	Total	195.41	159	81 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LEICESTER

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.89	9	153	Male	3.31	1	NC*
Female	2.30	3	NC*	Female	2.88	4	NC*
Total	8.19	12	146	Total	6.19	5	81
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.32	4	NC*	Male	1.07	1	NC*
Female	2.23	2	NC*	Female	1.05	1	NC*
Total	4.55	6	132	Total	2.12	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.32	0	NC*	Male	4.74	7	148
Female	39.98	43	108	Female	4.26	3	NC*
Total	40.31	43	107	Total	9.00	10	111
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	4.42	5	113
Female	2.68	2	NC*	Female	2.00	0	NC*
				Total	6.42	5	78

<u>Colon / Rectum</u>			<u>Ovary</u>				
Male	15.67	13	83				
Female	15.14	10	66	Female	4.92	5	102
Total	30.81	23	75				
<u>Esophagus</u>			<u>Pancreas</u>				
Male	2.13	0	NC*	Male	2.25	6	267
Female	0.75	1	NC*	Female	2.44	4	NC*
Total	2.88	1	NC*	Total	4.68	10	213 #+
<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	1.13	0	NC*	Male	35.09	36	103
Female	0.92	0	NC*				
Total	2.05	0	NC*				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	3.70	5	135	Male	2.61	1	NC*
Female	2.33	2	NC*	Female	1.64	1	NC*
Total	6.04	7	116	Total	4.25	2	NC*
<u>Larynx</u>			<u>Testis</u>				
Male	2.36	1	NC*	Male	1.68	0	NC*
Female	0.69	1	NC*				
Total	3.05	2	NC*				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	2.58	4	NC*	Male	0.67	0	NC*
Female	2.02	3	NC*	Female	1.89	4	NC*
Total	4.61	7	152	Total	2.57	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	1.03	0	NC*				
Female	0.48	0	NC*	Female	7.55	11	146
Total	1.51	0	NC*				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				
Male	20.12	30	149 #+	Male	121.88	130	107
Female	15.20	25	165 #+	Female	122.02	129	106
Total	35.32	55	156 ~+	Total	243.90	259	106

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LENOX**Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.55	3	NC*	Male	2.13	1	NC*
Female	2.56	1	NC*	Female	2.11	2	NC*
Total	7.11	4	NC*	Total	4.24	3	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.35	2	NC*	Male	0.82	1	NC*
Female	1.62	0	NC*	Female	1.08	1	NC*
Total	2.97	2	NC*	Total	1.89	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.24	0	NC*	Male	3.04	4	NC*
Female	32.18	33	103	Female	4.10	2	NC*
Total	32.42	33	102	Total	7.15	6	84
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	2.89	3	NC*
Female	1.65	1	NC*	Female	1.72	2	NC*
				Total	4.61	5	108
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	12.01	13	108				
Female	17.79	15	84	Female	3.69	2	NC*
Total	29.80	28	94				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.52	0	NC*	Male	1.62	2	NC*
Female	0.87	4	NC*	Female	2.64	2	NC*
Total	2.38	4	NC*	Total	4.26	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.51	1	NC*	Male	26.52	18	68
Female	0.49	2	NC*				
Total	1.00	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.51	2	NC*	Male	1.99	3	NC*
Female	1.97	2	NC*	Female	2.03	1	NC*
Total	4.48	4	NC*	Total	4.02	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.61	1	NC*	Male	0.62	4	NC*
Female	0.50	0	NC*				

Total	2.11	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.68	0	NC*	Male	0.34	1	NC*
Female	1.79	2	NC*	Female	1.10	0	NC*
Total	3.47	2	NC*	Total	1.44	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.71	3	NC*				
Female	0.47	1	NC*	Female	5.87	7	119
Total	1.18	4	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	14.40	10	69	Male	86.98	75	86
Female	12.41	9	73	Female	107.52	99	92
Total	26.81	19	71	Total	194.49	174	89

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LEOMINSTER

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	27.21	28	103	Male	14.80	10	68
Female	10.87	9	83	Female	12.67	8	63
Total	38.08	37	97	Total	27.48	18	66
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	10.09	8	79	Male	4.91	2	NC*
Female	9.66	9	93	Female	4.84	5	103
Total	19.75	17	86	Total	9.75	7	72
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.46	1	NC*	Male	21.46	14	65
Female	174.80	188	108	Female	19.61	20	102

Total	176.26	189	107	Total	41.07	34	83
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	11.79	18	153	Male	19.02	15	79
				Female	8.86	10	113
				Total	27.88	25	90
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	72.12	69	96	Female	21.34	29	136
Female	72.69	84	116				
Total	144.81	153	106				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	9.34	5	54	Male	10.06	13	129
Female	3.60	3	NC*	Female	11.42	13	114
Total	12.94	8	62	Total	21.48	26	121
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	5.11	8	157	Male	159.02	135	85
Female	4.08	5	122				
Total	9.19	13	141				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	16.19	11	68	Male	12.05	15	124
Female	10.30	9	87	Female	7.98	11	138
Total	26.49	20	76	Total	20.03	26	130
<u>Larynx</u>				<u>Testis</u>			
Male	10.11	7	69	Male	7.94	5	63
Female	2.91	2	NC*				
Total	13.02	9	69				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	11.42	9	79	Male	3.02	1	NC*
Female	9.10	9	99	Female	8.34	7	84
Total	20.52	18	88	Total	11.36	8	70
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	4.54	4	NC*	Female	32.41	34	105
Female	2.20	4	NC*				
Total	6.75	8	119				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	88.83	73	82	Male	548.54	471	86 ^-
Female	66.35	58	87	Female	546.04	573	105
Total	155.18	131	84	Total	1094.58	1044	95

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases
 # indicates statistical significance at the $p \leq 0.05$ level
 ~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level
 ^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

LEVERETT

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.23	1	NC*	Male	0.72	1	NC*
Female	0.36	1	NC*	Female	0.53	1	NC*
Total	1.59	2	NC*	Total	1.24	2	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.48	0	NC*	Male	0.23	0	NC*
Female	0.39	2	NC*	Female	0.17	0	NC*
Total	0.87	2	NC*	Total	0.40	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.07	0	NC*	Male	1.00	1	NC*
Female	6.99	3	NC*	Female	0.71	0	NC*
Total	7.06	3	NC*	Total	1.71	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.97	0	NC*
Female	0.52	0	NC*	Female	0.34	0	NC*
				Total	1.30	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.27	1	NC*				
Female	2.35	2	NC*	Female	0.88	1	NC*
Total	5.62	3	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.46	0	NC*	Male	0.47	0	NC*
Female	0.12	0	NC*	Female	0.38	0	NC*
Total	0.58	0	NC*	Total	0.85	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.23	1	NC*	Male	7.01	2	NC*
Female	0.18	0	NC*				
Total	0.41	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.79	1	NC*	Male	0.55	0	NC*
Female	0.39	0	NC*	Female	0.26	1	NC*

Total	1.18	1	NC*	Total	0.81	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.51	0	NC*	Male	0.35	0	NC*
Female	0.12	0	NC*				
Total	0.62	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.52	1	NC*	Male	0.15	0	NC*
Female	0.34	0	NC*	Female	0.37	0	NC*
Total	0.86	1	NC*	Total	0.52	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.22	0	NC*				
Female	0.08	0	NC*	Female	1.30	0	NC*
Total	0.29	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.22	1	NC*	Male	25.28	11	44 ~-
Female	2.50	0	NC*	Female	20.66	12	58
Total	6.72	1	NC*	Total	45.94	23	50 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LEXINGTON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	27.86	15	54 #-	Male	13.75	19	138
Female	11.26	17	151	Female	11.53	12	104
Total	39.12	32	82	Total	25.27	31	123
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	8.81	11	125	Male	5.02	2	NC*
Female	8.85	4	NC*	Female	4.97	1	NC*

Total	17.66	15	85	Total	10.00	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.47	1	NC*	Male	19.46	13	67
Female	171.10	195	114	Female	19.26	16	83
Total	172.57	196	114	Total	38.72	29	75
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	9.82	3	NC*	Male	18.85	15	80
				Female	8.84	7	79
				Total	27.68	22	79
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	73.84	62	84	Female	20.30	23	113
Female	75.49	76	101				
Total	149.33	138	92				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	9.64	7	73	Male	10.22	9	88
Female	3.75	1	NC*	Female	11.74	14	119
Total	13.39	8	60	Total	21.96	23	105
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	3.46	4	NC*	Male	165.77	226	136 ^+
Female	2.94	3	NC*				
Total	6.40	7	109				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	16.13	17	105	Male	12.19	10	82
Female	10.11	9	89	Female	8.35	4	NC*
Total	26.24	26	99	Total	20.54	14	68
<u>Larynx</u>				<u>Testis</u>			
Male	10.42	6	58	Male	4.50	5	111
Female	2.96	2	NC*				
Total	13.38	8	60				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	10.54	5	47	Male	2.34	4	NC*
Female	8.54	11	129	Female	6.63	9	136
Total	19.08	16	84	Total	8.96	13	145
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	4.54	4	NC*	Female	32.39	37	114
Female	2.19	1	NC*				
Total	6.73	5	74				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	91.63	57	62 ^-	Male	547.71	518	95
Female	65.96	42	64 ~-	Female	537.16	513	96
Total	157.59	99	63 ^-	Total	1084.87	1031	95

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LEYDEN

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.43	0	NC*	Male	0.24	0	NC*
Female	0.13	0	NC*	Female	0.17	0	NC*
Total	0.56	0	NC*	Total	0.42	0	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.17	0	NC*	Male	0.08	1	NC*
Female	0.13	0	NC*	Female	0.06	0	NC*
Total	0.30	0	NC*	Total	0.14	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.02	0	NC*	Male	0.35	0	NC*
Female	2.31	1	NC*	Female	0.25	0	NC*
Total	2.33	1	NC*	Total	0.59	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.33	0	NC*
Female	0.17	0	NC*	Female	0.11	1	NC*
				Total	0.44	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.15	3	NC*				
Female	0.86	1	NC*	Female	0.29	0	NC*
Total	2.01	4	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.16	0	NC*	Male	0.17	0	NC*
Female	0.04	0	NC*	Female	0.14	0	NC*
Total	0.20	0	NC*	Total	0.30	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.08	0	NC*	Male	2.55	0	NC*

Female	0.06	0	NC*				
Total	0.14	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.28	0	NC*	Male	0.19	0	NC*
Female	0.13	0	NC*	Female	0.09	0	NC*
Total	0.41	0	NC*	Total	0.28	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.18	0	NC*	Male	0.12	1	NC*
Female	0.04	0	NC*				
Total	0.21	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.19	0	NC*	Male	0.05	0	NC*
Female	0.12	0	NC*	Female	0.12	0	NC*
Total	0.31	0	NC*	Total	0.17	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.08	1	NC*				
Female	0.03	0	NC*	Female	0.42	1	NC*
Total	0.10	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	1.49	1	NC*	Male	8.94	8	89
Female	0.84	1	NC*	Female	7.02	5	71
Total	2.33	2	NC*	Total	15.96	13	81

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LINCOLN

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.68	5	107	Male	2.62	10	381 ^+

Female	1.43	3	NC*	Female	1.98	2	NC*
Total	6.12	8	131	Total	4.60	12	261 ~+
<u>Brain and Central Nervous System</u>			<u>Multiple Myeloma</u>				
Male	1.81	1	NC*	Male	0.86	2	NC*
Female	1.52	1	NC*	Female	0.66	0	NC*
Total	3.34	2	NC*	Total	1.51	2	NC*
<u>Breast</u>			<u>Non-Hodgkin's Lymphoma</u>				
Male	0.26	2	NC*	Male	3.75	2	NC*
Female	26.38	21	80	Female	2.75	1	NC*
Total	26.63	23	86	Total	6.50	3	NC*
<u>Cervix Uteri</u>			<u>Oral Cavity and Pharynx</u>				
Female	1.92	3	NC*	Male	3.49	1	NC*
				Female	1.31	0	NC*
				Total	4.80	1	NC*
<u>Colon / Rectum</u>			<u>Ovary</u>				
Male	12.46	9	72				
Female	9.33	12	129	Female	3.31	1	NC*
Total	21.79	21	96				
<u>Esophagus</u>			<u>Pancreas</u>				
Male	1.69	3	NC*	Male	1.78	2	NC*
Female	0.47	1	NC*	Female	1.51	1	NC*
Total	2.16	4	NC*	Total	3.29	3	NC*
<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	0.88	0	NC*	Male	27.67	53	192 ^+
Female	0.69	0	NC*				
Total	1.57	0	NC*				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	2.93	4	NC*	Male	2.07	1	NC*
Female	1.51	1	NC*	Female	1.01	1	NC*
Total	4.45	5	112	Total	3.08	2	NC*
<u>Larynx</u>			<u>Testis</u>				
Male	1.86	0	NC*	Male	1.31	1	NC*
Female	0.46	0	NC*				
Total	2.31	0	NC*				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	2.03	1	NC*	Male	0.53	1	NC*
Female	1.36	3	NC*	Female	1.38	1	NC*
Total	3.38	4	NC*	Total	1.91	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	0.81	1	NC*				
Female	0.31	0	NC*	Female	4.93	5	101
Total	1.12	1	NC*				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				
Male	15.93	10	63	Male	96.38	111	115

Female	9.73	6	62	Female	79.51	67	84
Total	25.66	16	62	Total	175.89	178	101

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LITTLETON

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.44	6	110	Male	2.92	4	NC*
Female	2.06	2	NC*	Female	2.42	2	NC*
Total	7.50	8	107	Total	5.34	6	112
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.93	1	NC*	Male	0.99	0	NC*
Female	1.83	2	NC*	Female	0.92	0	NC*
Total	3.76	3	NC*	Total	1.91	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.30	0	NC*	Male	4.14	5	121
Female	33.74	22	65 #-	Female	3.70	6	162
Total	34.04	22	65 #-	Total	7.84	11	140
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	3.88	1	NC*
Female	2.22	2	NC*	Female	1.71	3	NC*
				Total	5.59	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.38	9	63				
Female	13.74	11	80	Female	4.11	3	NC*
Total	28.12	20	71				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.92	0	NC*	Male	2.01	3	NC*

Female	0.68	0	NC*	Female	2.15	1	NC*
Total	2.60	0	NC*	Total	4.16	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.89	0	NC*	Male	31.16	27	87
Female	0.73	5	681 ~+				
Total	1.62	5	308				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.26	4	NC*	Male	2.41	2	NC*
Female	1.95	1	NC*	Female	1.52	3	NC*
Total	5.20	5	96	Total	3.93	5	127
<u>Larynx</u>				<u>Testis</u>			
Male	2.07	0	NC*	Male	1.30	3	NC*
Female	0.57	0	NC*				
Total	2.64	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.21	2	NC*	Male	0.56	3	NC*
Female	1.71	2	NC*	Female	1.56	1	NC*
Total	3.92	4	NC*	Total	2.11	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.91	0	NC*				
Female	0.41	0	NC*	Female	6.28	6	96
Total	1.32	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	17.82	14	79	Male	108.23	89	82
Female	12.54	12	96	Female	104.18	94	90
Total	30.36	26	86	Total	212.42	183	86 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LONGMEADOW

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	13.92	5	36 #-	Male	6.87	7	102
Female	4.93	2	NC*	Female	5.43	7	129
Total	18.85	7	37 ~-	Total	12.30	14	114
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.43	6	136	Male	2.51	1	NC*
Female	4.26	10	235 #+	Female	2.23	1	NC*
Total	8.68	16	184 #+	Total	4.73	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.74	0	NC*	Male	9.67	15	155
Female	80.17	89	111	Female	8.69	11	127
Total	80.91	89	110	Total	18.37	26	142
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	9.47	3	NC*
Female	4.73	3	NC*	Female	4.08	4	NC*
				Total	13.55	7	52
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	36.81	33	90				
Female	32.70	36	110	Female	9.63	16	166
Total	69.50	69	99				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.83	5	103	Male	5.09	4	NC*
Female	1.63	2	NC*	Female	5.20	7	135
Total	6.47	7	108	Total	10.29	11	107
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.71	0	NC*	Male	81.73	89	109
Female	1.46	5	342 #+				
Total	3.17	5	158				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	8.05	7	87	Male	6.11	6	98
Female	4.73	1	NC*	Female	3.56	3	NC*
Total	12.79	8	63	Total	9.67	9	93
<u>Larynx</u>				<u>Testis</u>			
Male	5.22	1	NC*	Male	2.14	4	NC*
Female	1.42	1	NC*				
Total	6.64	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	5.31	3	NC*	Male	1.15	2	NC*
Female	3.96	4	NC*	Female	3.23	2	NC*
Total	9.28	7	75	Total	4.38	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.26	0	NC*				

Female	0.99	2	NC*	Female	15.34	13	85
Total	3.25	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	45.50	26	57 ~-	Male	272.13	232	85 #-
Female	31.11	28	90	Female	247.43	265	107
Total	76.61	54	70 ~-	Total	519.56	497	96

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LOWELL

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	61.45	66	107	Male	34.26	21	61 #-
Female	26.02	39	150 #+	Female	30.83	24	78
Total	87.47	105	120	Total	65.09	45	69 #-
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	24.29	24	99	Male	11.12	9	81
Female	23.78	20	84	Female	11.52	3	NC*
Total	48.07	44	92	Total	22.64	12	53 #-
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	3.32	3	NC*	Male	50.36	42	83
Female	416.88	365	88 #-	Female	47.32	36	76
Total	420.20	368	88 #-	Total	97.68	78	80 #-
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	43.10	69	160 ^+
Female	29.07	33	114	Female	21.15	21	99
				Total	64.25	90	140 ~+
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	163.15	190	116 #+				

Female	174.30	191	110	Female	51.30	47	92
Total	337.45	381	113 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	20.97	36	172 ~+	Male	22.79	23	101
Female	8.62	10	116	Female	27.28	29	106
Total	29.59	46	155 ~+	Total	50.08	52	104
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	13.04	14	107	Male	360.53	276	77 ^-
Female	10.56	12	114				
Total	23.61	26	110				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	37.04	35	94	Male	27.25	12	44 ~-
Female	24.69	26	105	Female	19.20	21	109
Total	61.73	61	99	Total	46.45	33	71 #-
<u>Larynx</u>				<u>Testis</u>			
Male	22.71	28	123	Male	20.53	15	73
Female	6.84	5	73				
Total	29.55	33	112				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	27.26	25	92	Male	7.36	6	82
Female	22.65	31	137	Female	20.87	18	86
Total	49.91	56	112	Total	28.22	24	85
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	10.39	16	154				
Female	5.33	10	188	Female	76.61	76	99
Total	15.72	26	165 #+				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	201.03	217	108	Male	1255.14	1233	98
Female	156.97	178	113	Female	1309.12	1301	99
Total	358.00	395	110	Total	2564.27	2534	99

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LUDLOW

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	15.23	18	118	Male	7.80	8	103
Female	5.51	5	91	Female	6.19	3	NC*
Total	20.74	23	111	Total	13.99	11	79
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.18	8	155	Male	2.76	4	NC*
Female	4.87	2	NC*	Female	2.52	0	NC*
Total	10.05	10	99	Total	5.27	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.81	1	NC*	Male	11.12	10	90
Female	90.97	65	71 ~-	Female	9.85	8	81
Total	91.78	66	72 ~-	Total	20.97	18	86
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	10.63	9	85
Female	5.49	2	NC*	Female	4.63	1	NC*
				Total	15.26	10	66
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	40.57	62	153 ~+				
Female	36.29	34	94	Female	10.95	9	82
Total	76.86	96	125 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.35	0	NC*	Male	5.71	4	NC*
Female	1.83	2	NC*	Female	5.87	5	85
Total	7.18	2	NC*	Total	11.59	9	78
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.19	2	NC*	Male	93.04	86	92
Female	1.73	1	NC*				
Total	3.92	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	9.12	11	121	Male	6.65	8	120
Female	5.45	3	NC*	Female	3.87	5	129
Total	14.57	14	96	Total	10.53	13	123
<u>Larynx</u>				<u>Testis</u>			
Male	5.86	2	NC*	Male	3.02	1	NC*
Female	1.64	1	NC*				
Total	7.50	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	6.04	5	83	Male	1.41	0	NC*
Female	4.41	4	NC*	Female	3.75	1	NC*
Total	10.45	9	86	Total	5.16	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.56	0	NC*				
Female	1.13	0	NC*	Female	17.60	20	114
Total	3.69	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	51.52	53	103	Male	307.63	310	101
Female	36.46	14	38 ^-	Female	280.97	203	72 ^-
Total	87.98	67	76 #-	Total	588.61	513	87 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LUNENBURG

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.19	8	111	Male	3.84	2	NC*
Female	2.40	3	NC*	Female	2.96	1	NC*
Total	9.59	11	115	Total	6.80	3	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.58	2	NC*	Male	1.31	0	NC*
Female	2.26	4	NC*	Female	1.09	0	NC*
Total	4.84	6	124	Total	2.40	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.39	0	NC*	Male	5.47	4	NC*
Female	41.45	40	97	Female	4.40	5	114
Total	41.83	40	96	Total	9.87	9	91
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			

				Male	5.18	8	155
Female	2.74	2	NC*	Female	2.08	3	NC*
				Total	7.26	11	152
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	19.13	17	89				
Female	15.76	15	95	Female	5.08	3	NC*
Total	34.89	32	92				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.56	2	NC*	Male	2.70	0	NC*
Female	0.79	0	NC*	Female	2.53	1	NC*
Total	3.35	2	NC*	Total	5.23	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.16	3	NC*	Male	42.92	40	93
Female	0.90	0	NC*				
Total	2.06	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.39	4	NC*	Male	3.16	7	221
Female	2.40	1	NC*	Female	1.71	1	NC*
Total	6.79	5	74	Total	4.87	8	164
<u>Larynx</u>				<u>Testis</u>			
Male	2.80	4	NC*	Male	1.67	2	NC*
Female	0.72	0	NC*				
Total	3.52	4	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.95	3	NC*	Male	0.73	1	NC*
Female	2.04	2	NC*	Female	1.91	3	NC*
Total	4.99	5	100	Total	2.64	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.22	1	NC*				
Female	0.49	0	NC*	Female	7.83	4	NC*
Total	1.72	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	24.31	26	107	Male	145.92	143	98
Female	15.67	11	70	Female	126.15	105	83
Total	39.98	37	93	Total	272.07	248	91

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

LYNN

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	59.86	71	119	Male	30.49	20	66
Female	24.90	38	153 #+	Female	26.94	25	93
Total	84.77	109	129 #+	Total	57.43	45	78
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	20.57	23	112	Male	10.74	13	121
Female	20.88	22	105	Female	10.99	12	109
Total	41.45	45	109	Total	21.73	25	115
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	3.16	1	NC*	Male	44.52	48	108
Female	380.37	405	106	Female	43.89	59	134 #+
Total	383.52	406	106	Total	88.41	107	121
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	39.26	42	107
Female	24.27	35	144 #+	Female	19.47	23	118
				Total	58.73	65	111
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	158.51	183	115				
Female	168.06	186	111	Female	45.92	46	100
Total	326.57	369	113 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	19.90	27	136	Male	21.67	29	134
Female	8.30	4	NC*	Female	26.20	35	134
Total	28.21	31	110	Total	47.87	64	134 #+
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	9.82	13	132	Male	352.20	331	94
Female	8.36	5	60				
Total	18.18	18	99				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	34.17	47	138 #+	Male	26.34	38	144 #+
Female	22.82	35	153 #+	Female	18.50	22	119
Total	56.99	82	144 ~+	Total	44.84	60	134 #+
<u>Larynx</u>				<u>Testis</u>			

Male	21.28	25	118	Male	14.47	14	97
Female	6.30	9	143				
Total	27.57	34	123				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	24.22	20	83	Male	5.84	2	NC*
Female	20.24	13	64	Female	17.06	23	135
Total	44.46	33	74	Total	22.90	25	109
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	9.68	12	124				
Female	4.99	3	NC*	Female	70.64	86	122
Total	14.67	15	102				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	191.44	241	126 ^+	Male	1182.50	1293	109 ~+
Female	147.00	169	115	Female	1206.85	1348	112 ^+
Total	338.44	410	121 ^+	Total	2389.36	2641	111 ^+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

LYNNFIELD

Cancer Incidence by Sex, 1990 - 1995

Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	10.23	14	137	Male	5.21	7	134
Female	3.32	2	NC*	Female	3.87	8	207
Total	13.55	16	118	Total	9.08	15	165
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.39	7	207	Male	1.86	2	NC*
Female	3.02	1	NC*	Female	1.53	2	NC*
Total	6.41	8	125	Total	3.38	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.55	0	NC*	Male	7.36	7	95
Female	56.89	63	111	Female	5.98	6	100
Total	57.43	63	110	Total	13.35	13	97
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.44	0	NC*	Male	7.15	4	NC*
				Female	2.87	0	NC*
				Total	10.02	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	27.19	27	99				
Female	21.74	21	97	Female	6.87	9	131
Total	48.93	48	98				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.61	4	NC*	Male	3.81	4	NC*
Female	1.10	1	NC*	Female	3.53	4	NC*
Total	4.71	5	106	Total	7.35	8	109
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.38	1	NC*	Male	61.48	84	137 ~+
Female	1.05	1	NC*				
Total	2.43	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.10	6	98	Male	4.47	2	NC*
Female	3.34	4	NC*	Female	2.33	2	NC*
Total	9.45	10	106	Total	6.80	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	3.94	1	NC*	Male	1.85	1	NC*
Female	1.03	0	NC*				
Total	4.97	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.97	3	NC*	Male	0.92	2	NC*
Female	2.69	4	NC*	Female	2.34	5	214
Total	6.66	7	105	Total	3.26	7	215
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.70	0	NC*				
Female	0.68	1	NC*	Female	11.02	10	91
Total	2.39	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	34.39	26	76	Male	204.54	227	111
Female	22.37	21	94	Female	173.13	177	102
Total	56.77	47	83	Total	377.68	404	107

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer
Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels